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THE BUEING COMPANY

REV LTR

***************************************	NUMBER	
TITLE:	AND RELEASE CIRCUITRY UTILIZING SNEAK CIRCUIT ANALYSIS TECHNIQUES FB-111 NETWORK TREES.	
•	MODEL B-52/FB-111 CONTRACTI F29691-76-C0017 ISSUE NO. 8 ISSUED TO: 115	fn . •
Accession For	SNEAK CIRCUIT ANALYSIS GROUP ORG. 5-2932 SUPERVISED BY APPROVED BY D. A. Heuer	

SHEET

341861

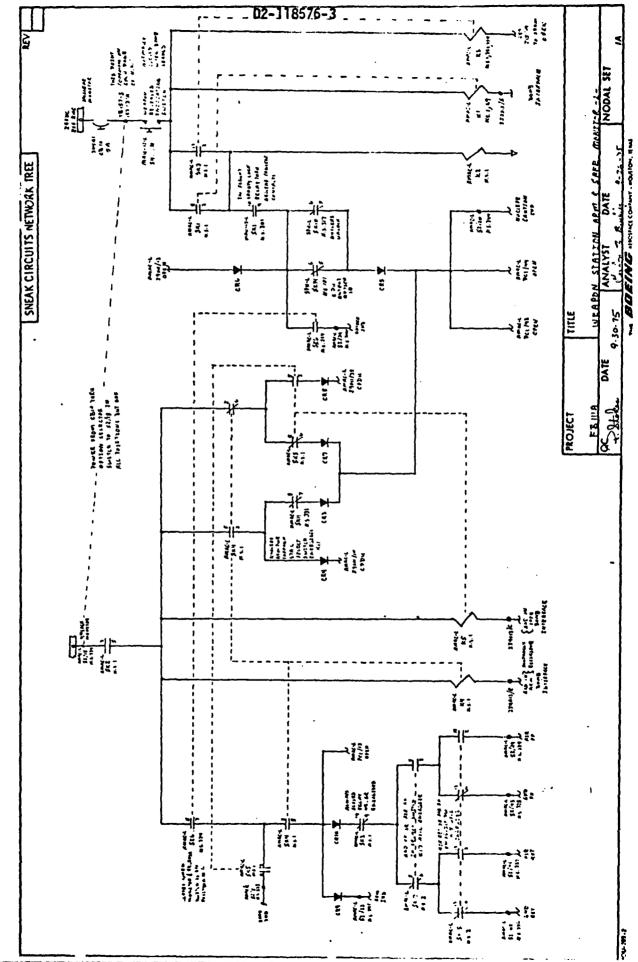
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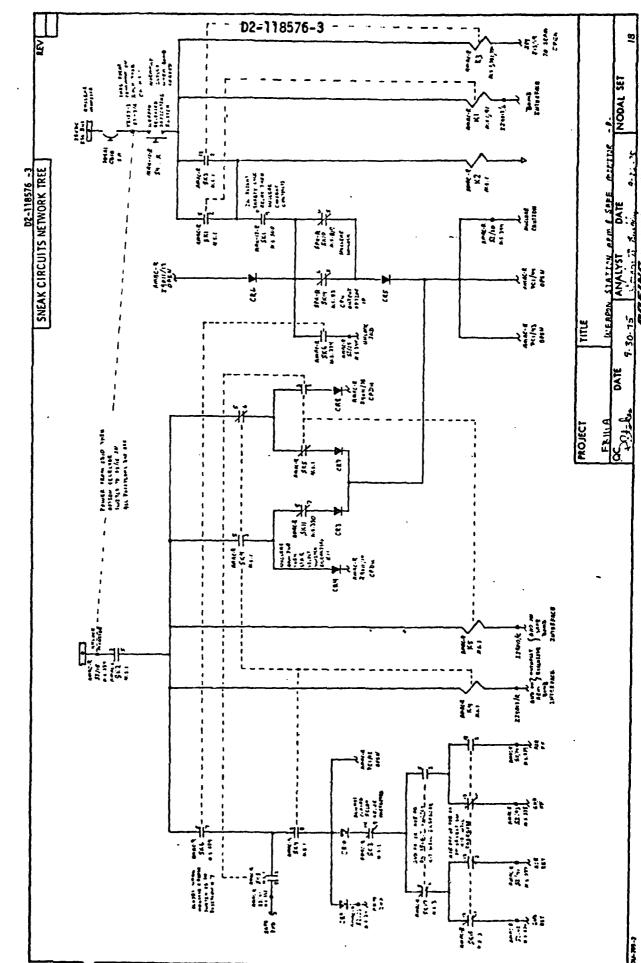
Document Number	<u>Title</u>	<u>Subject</u>
D2-1185761-1	Final Report	Electrical Analysis of B-52/FB-111 AMAC and Release Circuitry Utilizing Sneak Circuit Analysis Techniques
D2-1185761-2	B~52 Network Trees	B-52 AMAC and Release Circuitry
D2-1185761-3	FB-111 Network Trees	FB-111 AMAC and Release Circuitry

REVISIONS

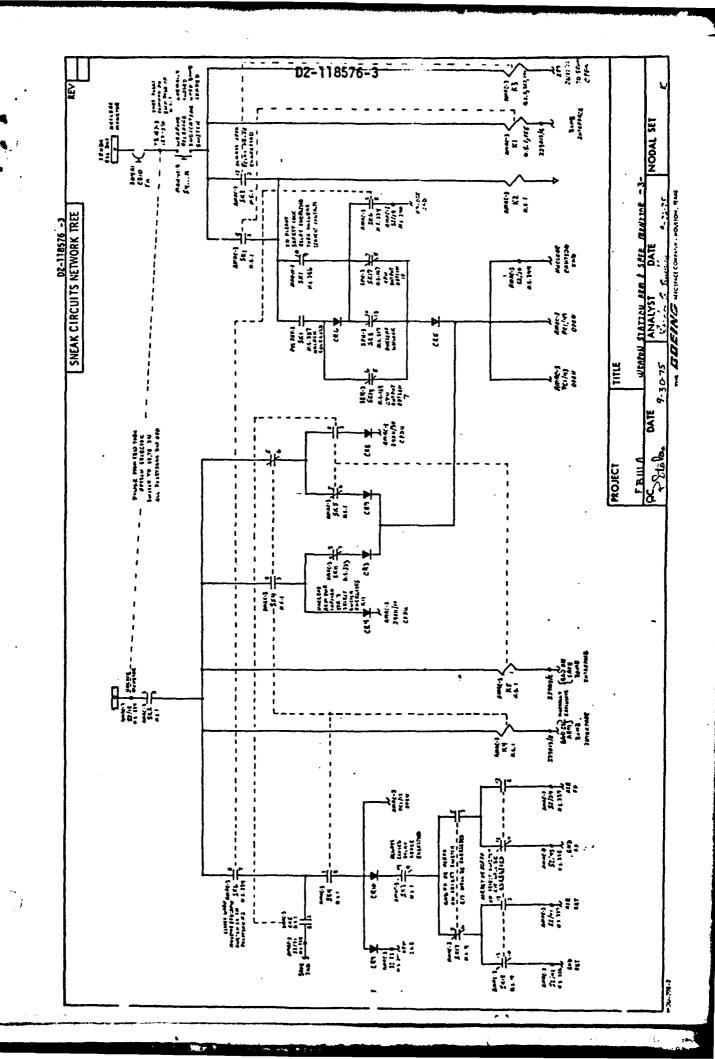
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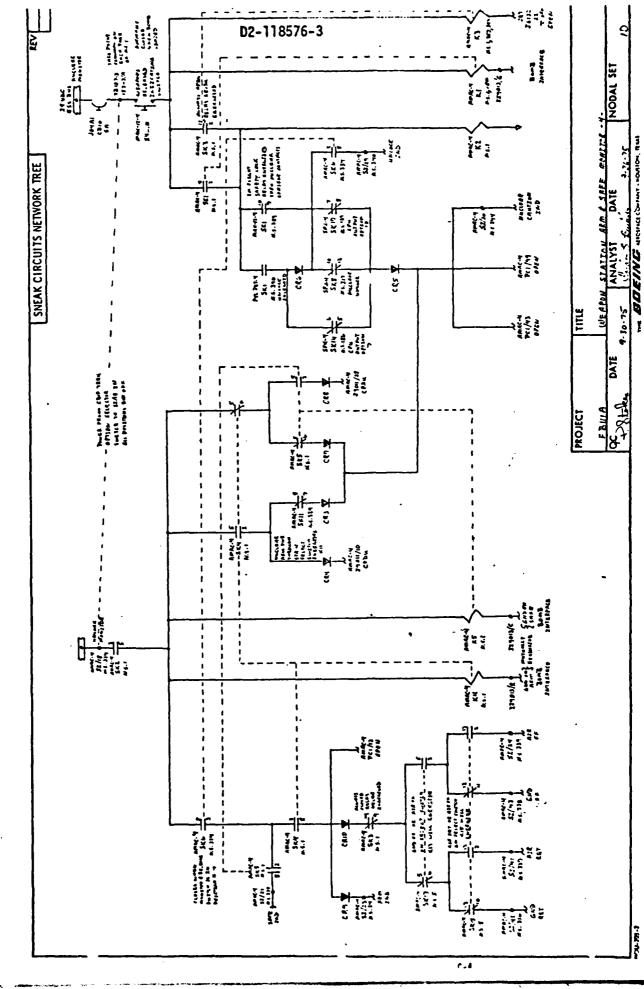
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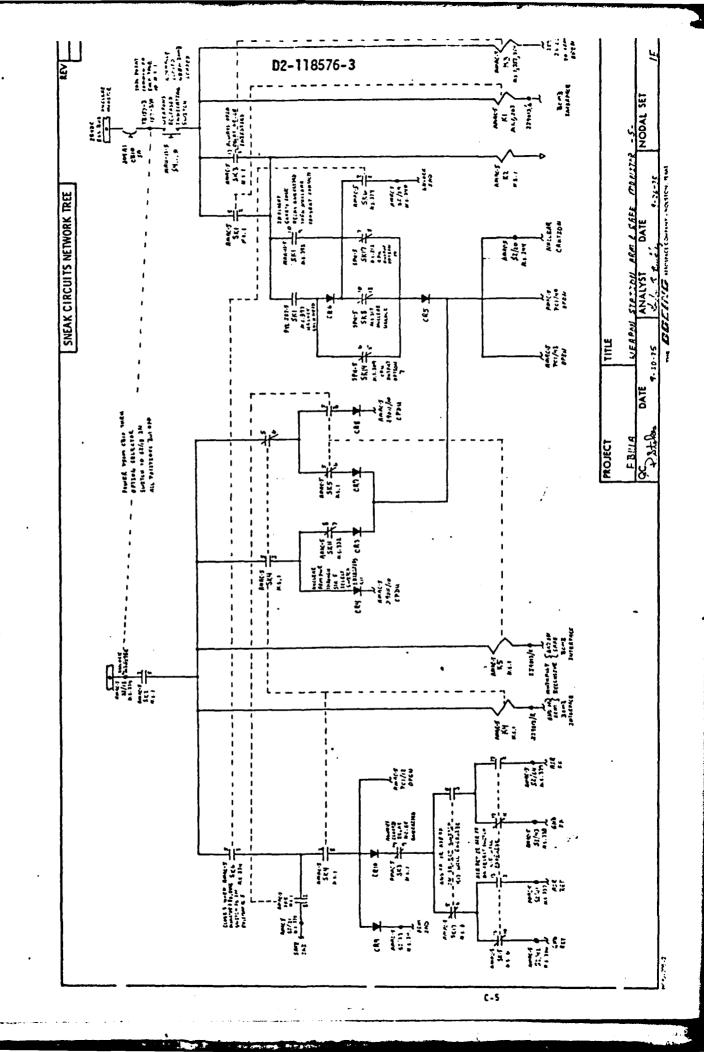


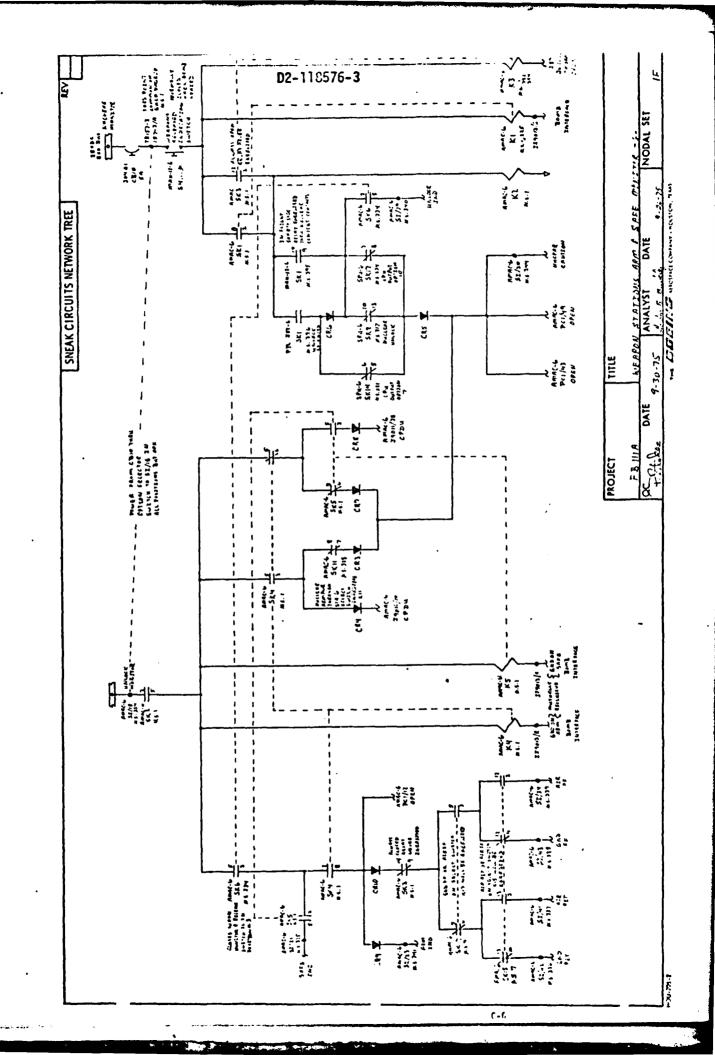


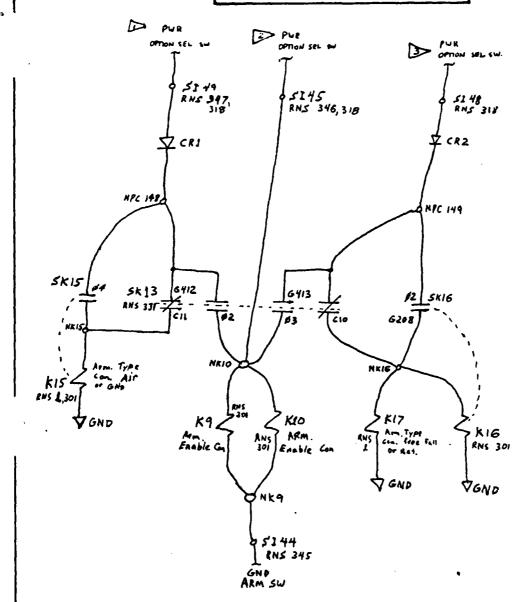
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ID Suitcled to 28 VDC When orrow see sw is in Air Ret and Air free fall positions, and code su is enabled.

Switched to 28 VPC when option see sw is in GNO Ret. Air Ret. GNO free full + Air free tall Positions, and code ru. is enabled.

B Suitched to 28 you when option see sw 13 in GNP free fall and Air free fall positions and code sw. is enabled.

POJECT TITLE

FB111-A AMAC-L

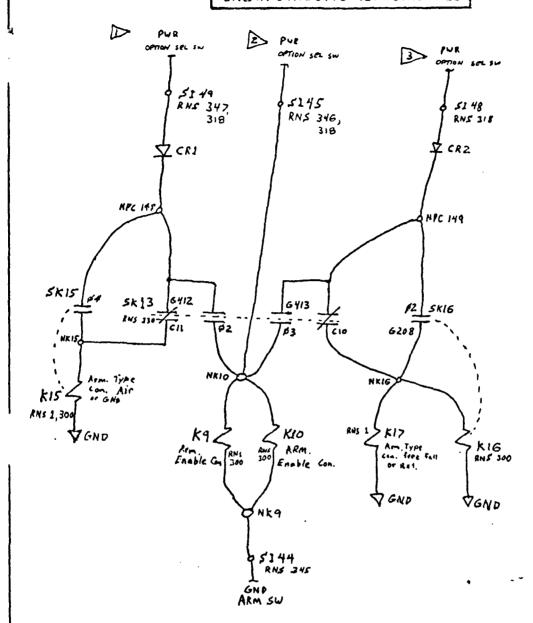
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Ref Des. AMAC-L

BEEFF AEROSPACE COMPANY - HOUSTON, TEXAS C-7



D Switched to 28 VDC when option SEL sw is in Air Retiand Air free fall positions, and code swi is enabled.

Switched to 28 VDC When OPTION SEL SWISIN GND Ret., Air Ret. GND free fallo Air f.f. positions, and code sw. is exabled.

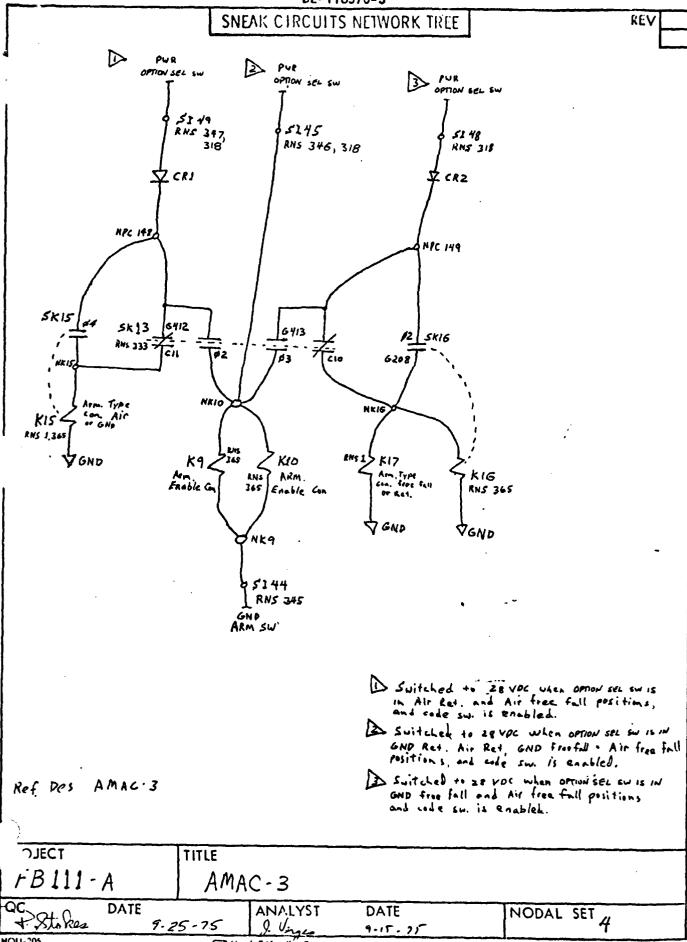
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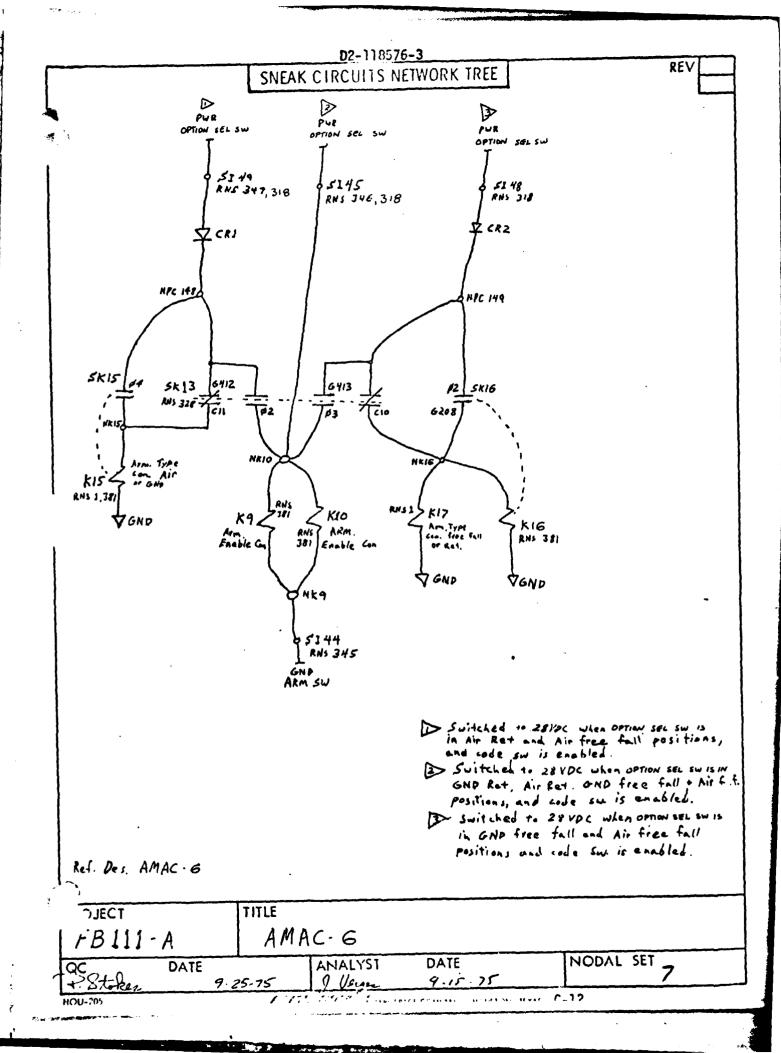
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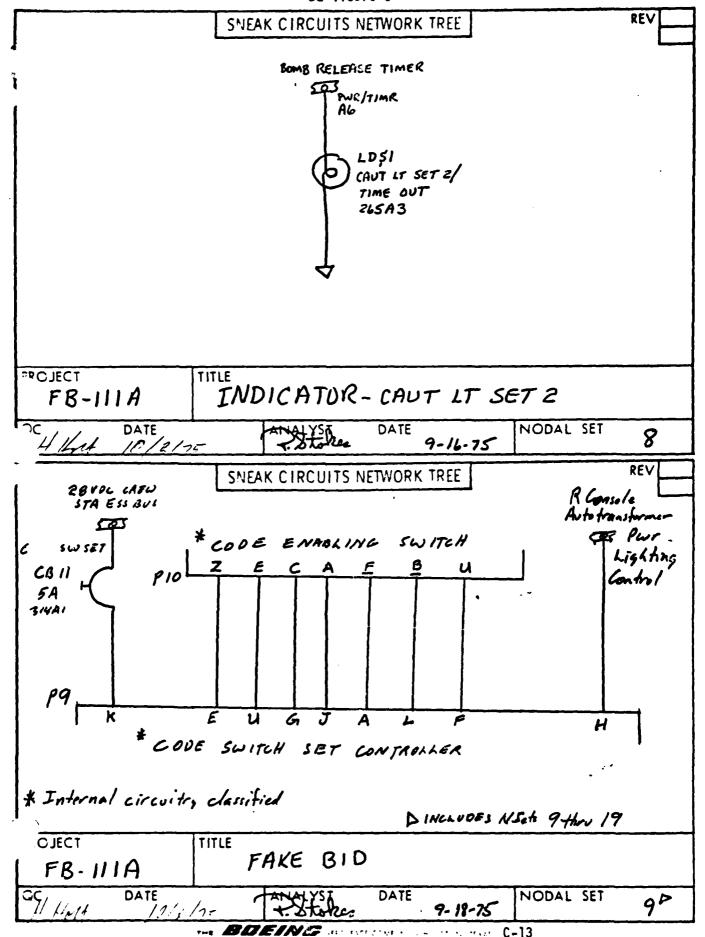
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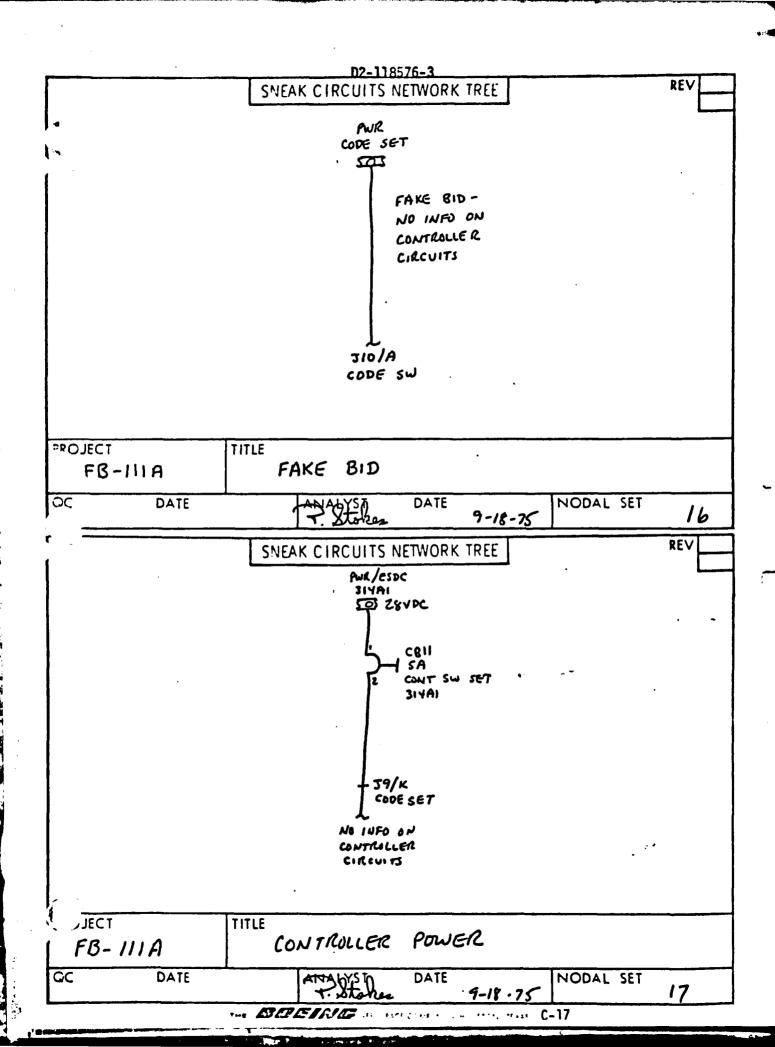


D2-118576-3 REV SNEAK CIRCUITS NETWORK TREE PWR CODE SET **L** FAKE BID-NO INFO ON CONTROLLER CIRCUITS CODE SET PROJECT TITLE FAKE BID FB-111A ö DATE DATE NODAL SET ID 9-18-75 REV SNEAK CIRCUITS NETWORK TREE PWR CODE SET FAKE BID - . NO INFO ON CONTROLLER CIRCUITS J9/D CODE SET ROJECT TITLE FAKE BID FB-111A QC DATE DATE NODAL SET 11 9-18-75

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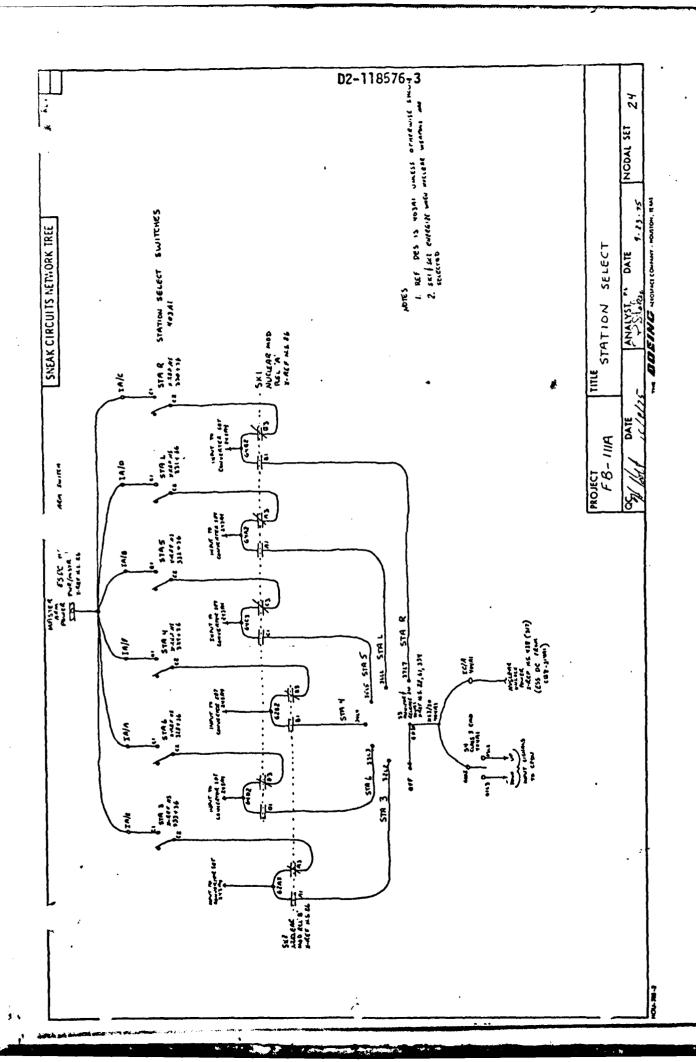
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D2-118576-3 SNEAK CIRCUITS NETWORK TREE PWR CODE SET FAKE BID-NO INFO ON CONTROLLER CIRCUITS 510/C CODE SW TITLE PROJECT FAKE BID FB-IIIA DATE DATE NODAL SET 14 9-18-75 SNEAK CIRCUITS NETWORK TREE PWR CADE SET ष्य FAKE BID-NO INFO ON. CONTRILLER CIRCUITS J9/H CODE SET **KOJECT** TITLE BID FAKE FB-111A GC DATE DATE NODAL SET 9-18-75 · PRIFIRIAZ



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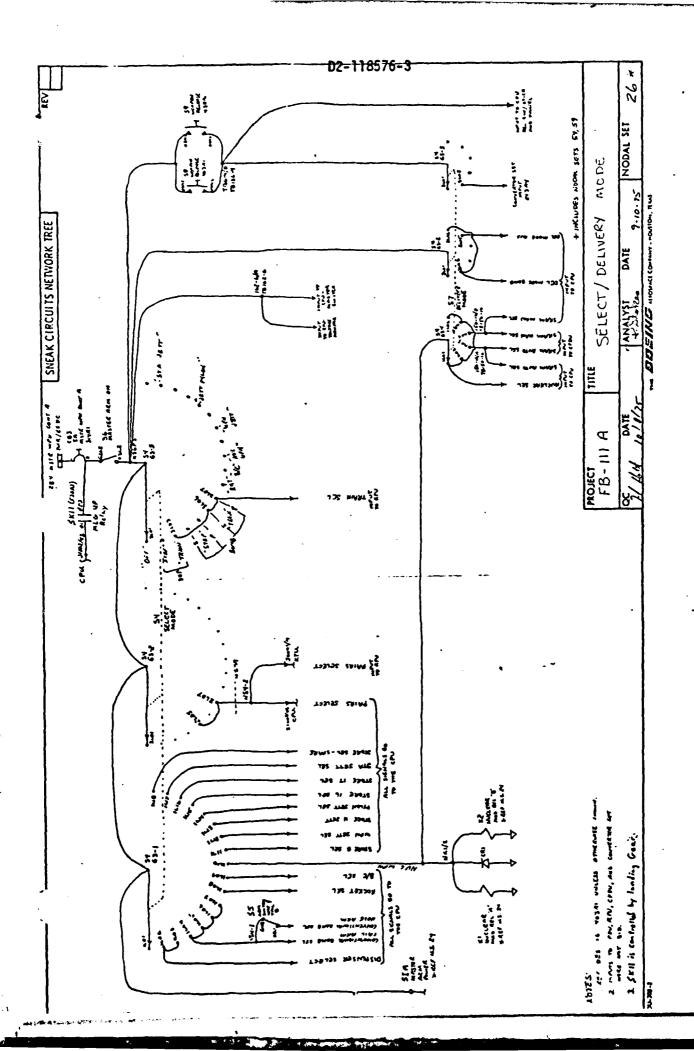


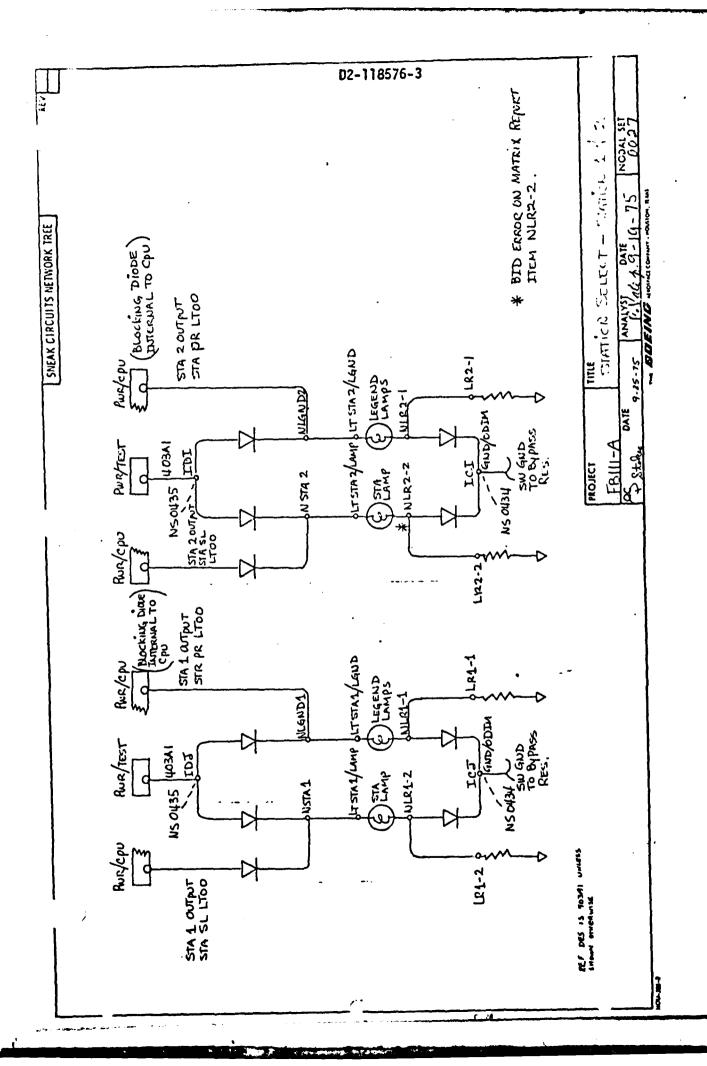
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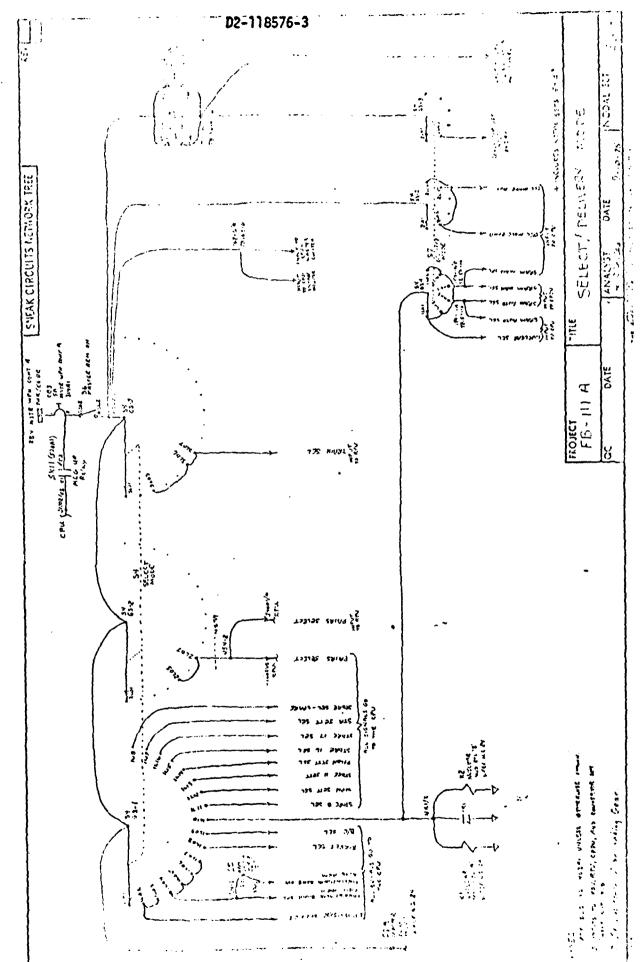
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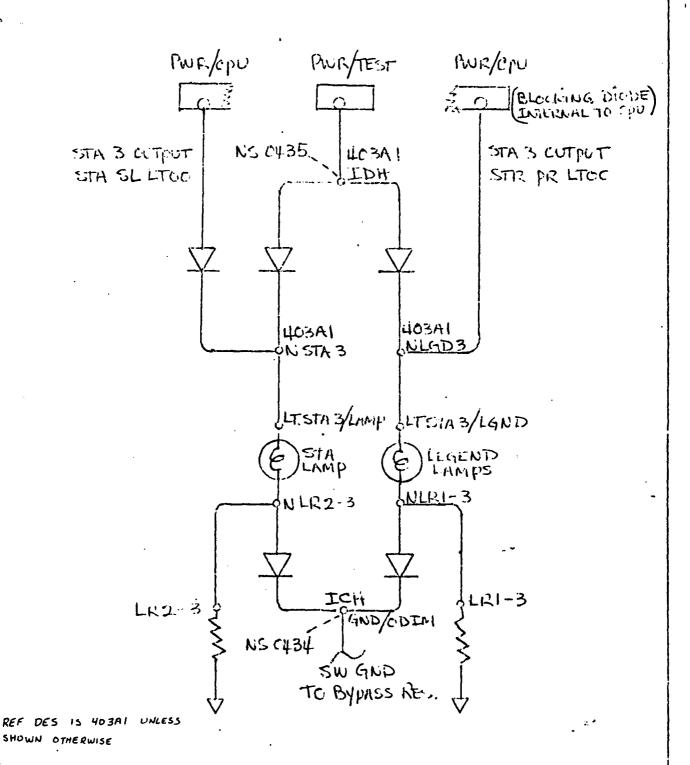
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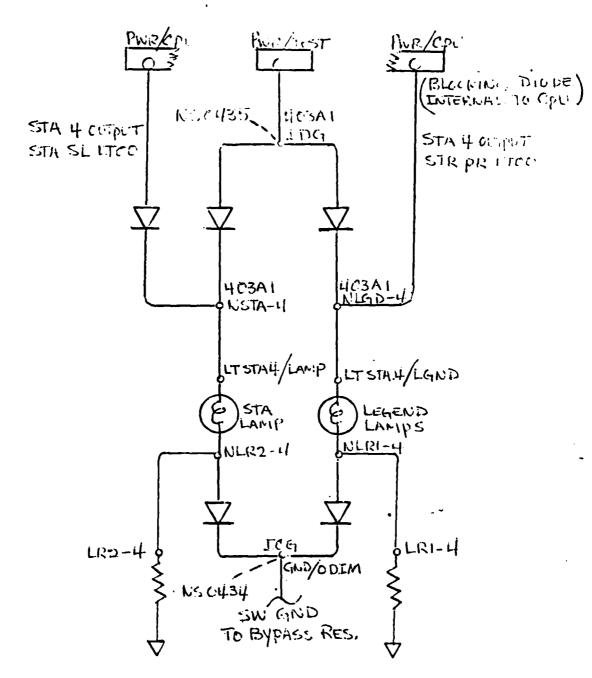
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SNEAK CIRCUITS NETWORK TREE

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J-205 BOLZ/FJE AEROSPACE COMPANY - HOUSION, TEXAS C-26

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D2-118576-3 REV SNEAK CIRCUITS NETWORK TREE PWR/CPU PUR/TEST PWR/EPU BLOCKING DIODE INTERNAL TO CHO! STA 5 CUTPUT NSC435 STAS OUTPUT 403A 1 CIR PRLITCO STA SL LTCO IDD 403A1 403A1 NJ1/53 N-5 LTSING/LAND LITSTAB/LAND LEGEND LAMPS NSTA 5 ONL-5 LRI-5 ICD LR2-5 MIGO GUID NS0434 SW GND TO BYPHES RES REF DES IS 403A1 UNLESS SHOWN OTHERWISE. TITLE DJECT

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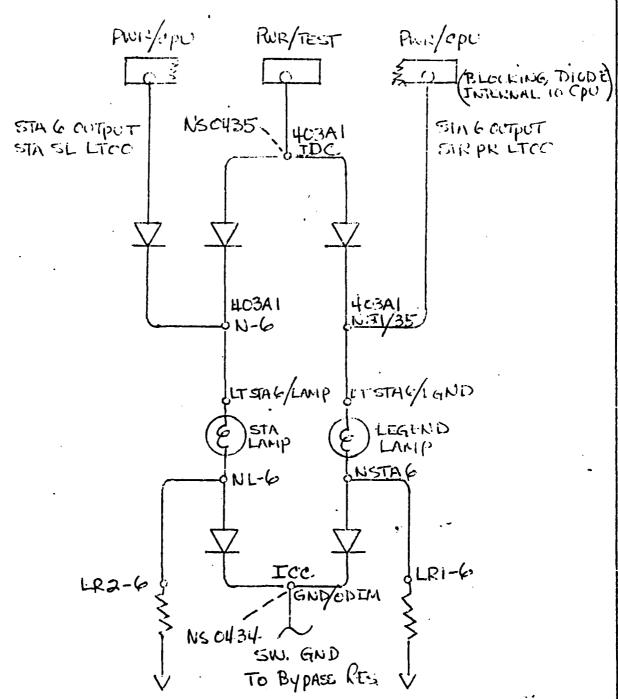
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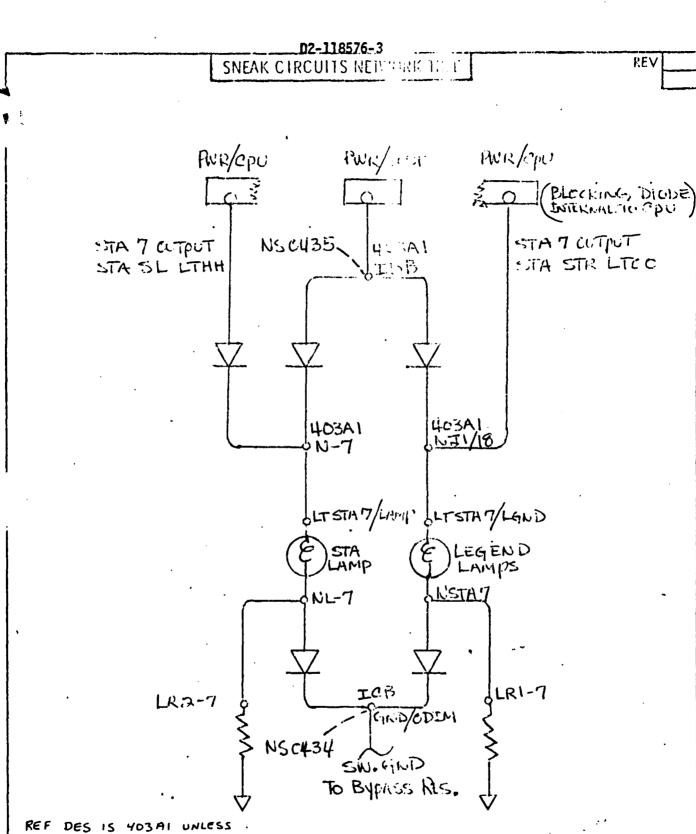
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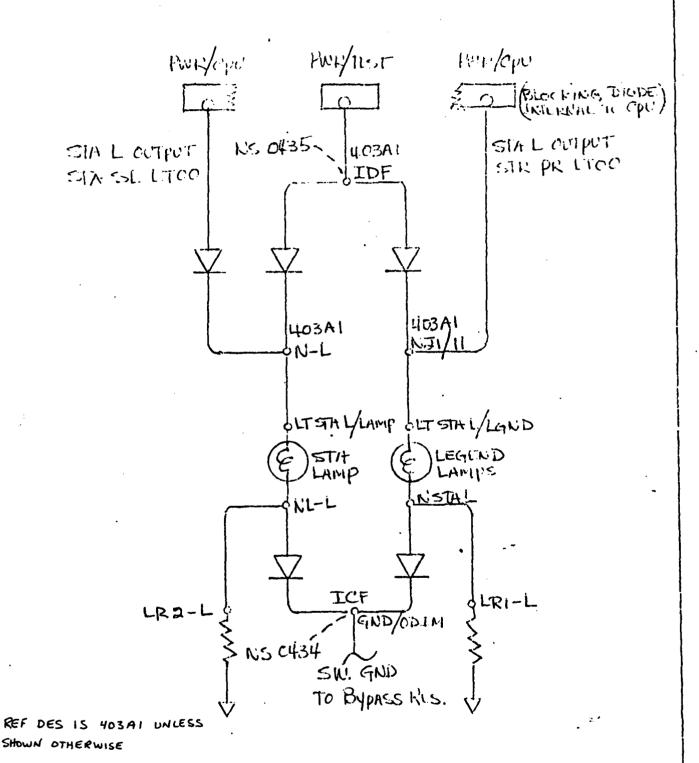
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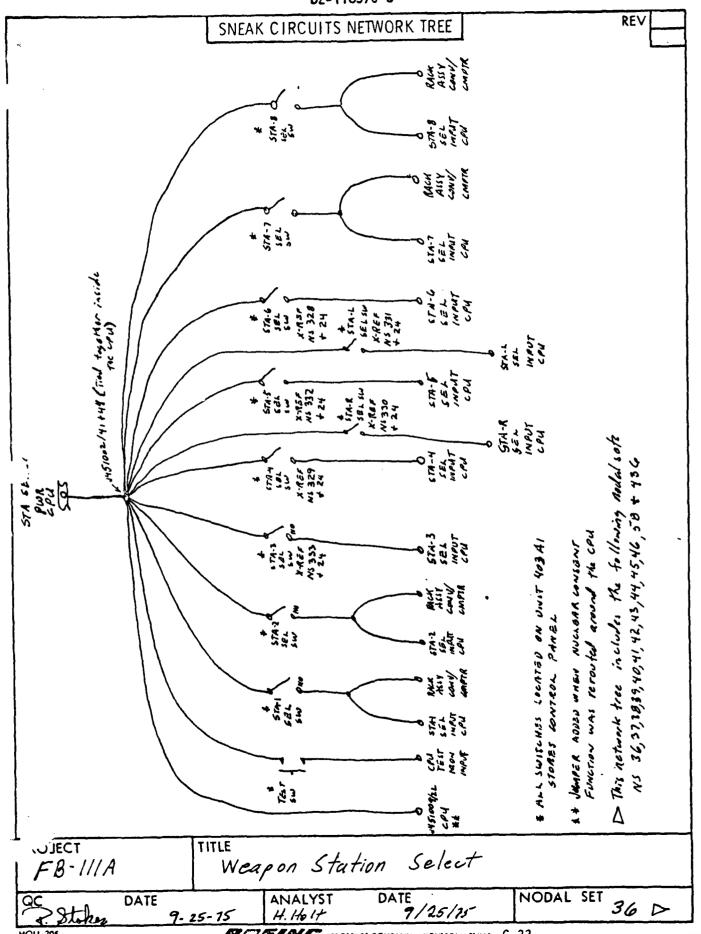
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D2-118576-3 SNEAK CIRCUITS NETWORK TREE Pur/cpi PWR/TECT Pur/cpu PLCCKING DIODE O.Š SIAR OUTPUT STAR OUTPUT STR PR LTOG NS 0135 STA SL LTCO 403A1 403A1 403A1 NJ1/25 N-R LLTSTA RYLAMI? OLT STA RYLAND LAMPS NSIAR NL-R LRI-R LEAR GND/CDIN NS 0434 SW. GND TO BYPASS RES. REF DES IS 403AI UNLESS SHOWN OTHERWISE

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See Nodal Set 36

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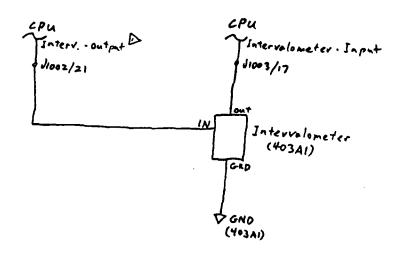
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BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-34

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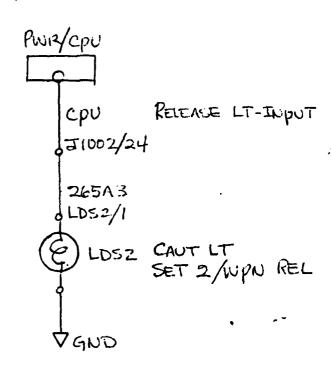
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BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-36

D2-118576-3 SNEAK CIRCUITS NETWORK TREE PWR/cpu PWR/CONV. 24384 CONFRIER SET REL BOHB (COMP) CR2 INPUT N22510 OPEN-TIED BACK

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OU-705 BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-

REV SNEAK CIRCUITS NETWORK TREE PWR ESOC 28 VDC 55 314A1 25A) CBZ EXT. STOR (314AI) Jettison B DEMZLO EMERGENCY 1 210 Jettison Switch RNS 53 TB120-9/4 Safety 193 Relay B 7 5KZ * 6005 GRD JTSN 211 RNS 55 642 GOES Pelense SK13 KI3 From Enable Relay A RNE 54,432 11002/33 o4MZ I EXT Stores Jtsn.-Input 510 6003 VGH0 x Relay Contacts open when landing year is out SWITCH NOMEN CLATURE DOES NOT AGREE WITH PANEL NOMENCLATURE, DER # FB-111A - 3 JECT TITLE EXT. Stores Jettison B FB 111 - A 95 Stokes DATE DATE NODAL SET ANALYST 9-25-75 50 9-16-75 HQU-205 BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-38

REV

51

SKI GOAZ

SKI JOOZ/42

SKI JOOZ/34

CPUFlap-Up Inpet

* Relay Contacts close when flops
are down and sends signal to CPA
To inhibit PYLON Jett. COIL NOT BID.

FBIII-A Flap Retract Signal

Taul Stokes 9.85.75 DATE NODAL SET

U-705 BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-39

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See Nodal Set 60

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FBIII-A

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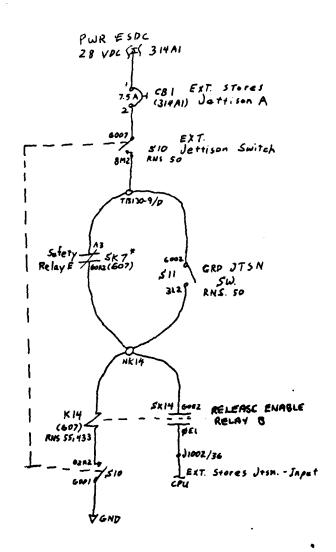
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BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-40

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*Relay Contacts open When landing Gear is out.

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See Nodal Set 26

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SMEAK CIRCUITS NETWORK IRCE

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SK14 BCI Release Enable

A GND

RNS 53 TGOEZ Relay B

PROJECT TITLE

FB 111-A EXT. Stores Jett. GND (Main)

OC DATE

P. Stokes 9-25-75 ANALYST DATE

P. Stokes 9-25-75 J. Verges 1-19-25 S5

SNEAK CIRCUITS NETWORK TREE JIOOZ/SI Release Enable SK13 (607) RNS 50 Relayi POJECT TITLE EXT. Stores Jett GND (ESS) FB111-A ANALYST J. Yelges TIVODAL SET 9-25-75 SMEAK CIRCUITS NETWORK THEF See Nodal Set 47. PROJECT TITLE FB 111-A DATE -QC DATE ANALYST NODAL SET 57 10'11, 204

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SNEAK	CIRCUITS	NETWORK	TREE

See Nodal Set 36

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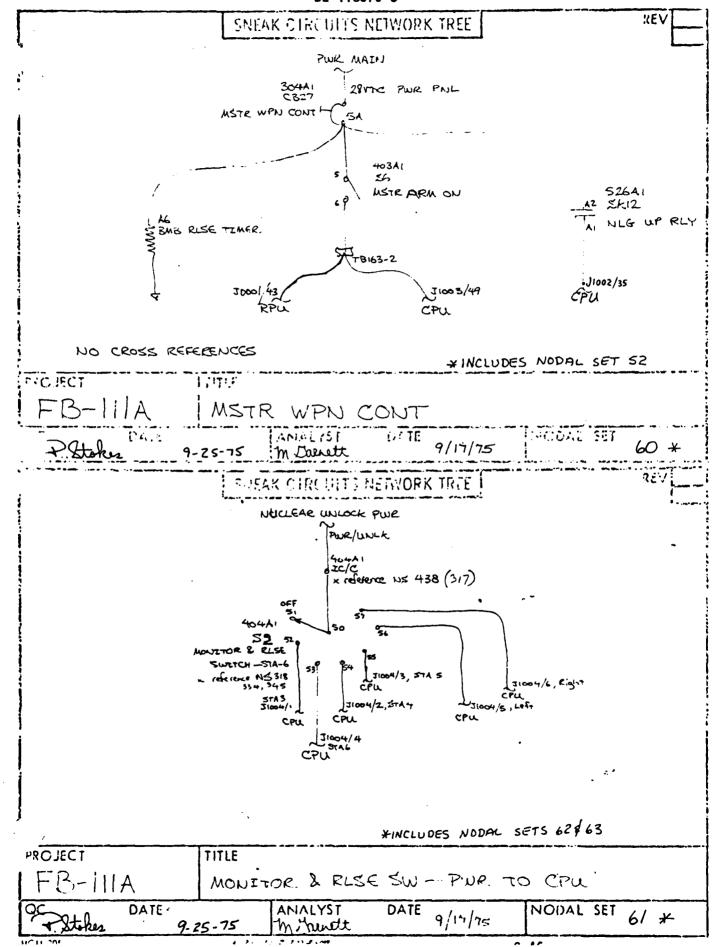
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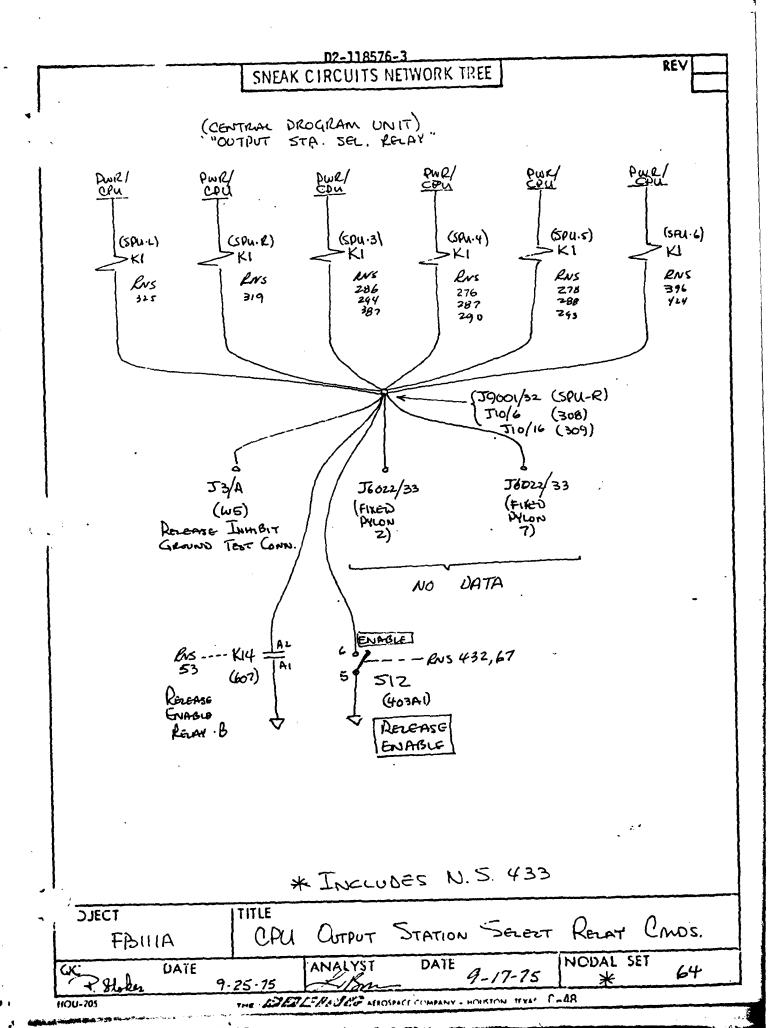
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D2-118576-3

SNEAK CIRCUITS NETWORK TREE

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PWR/CPU

L WPN IDENT

LINE 4

31005/20

L WPN IDENT

LINE 4

315/260

OPEN

SRAM DISCO

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BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-49

RE\

Pwr/cpu

OUTPUT-STA'L SEL

CPU 021005/3

Rpu 020001/12

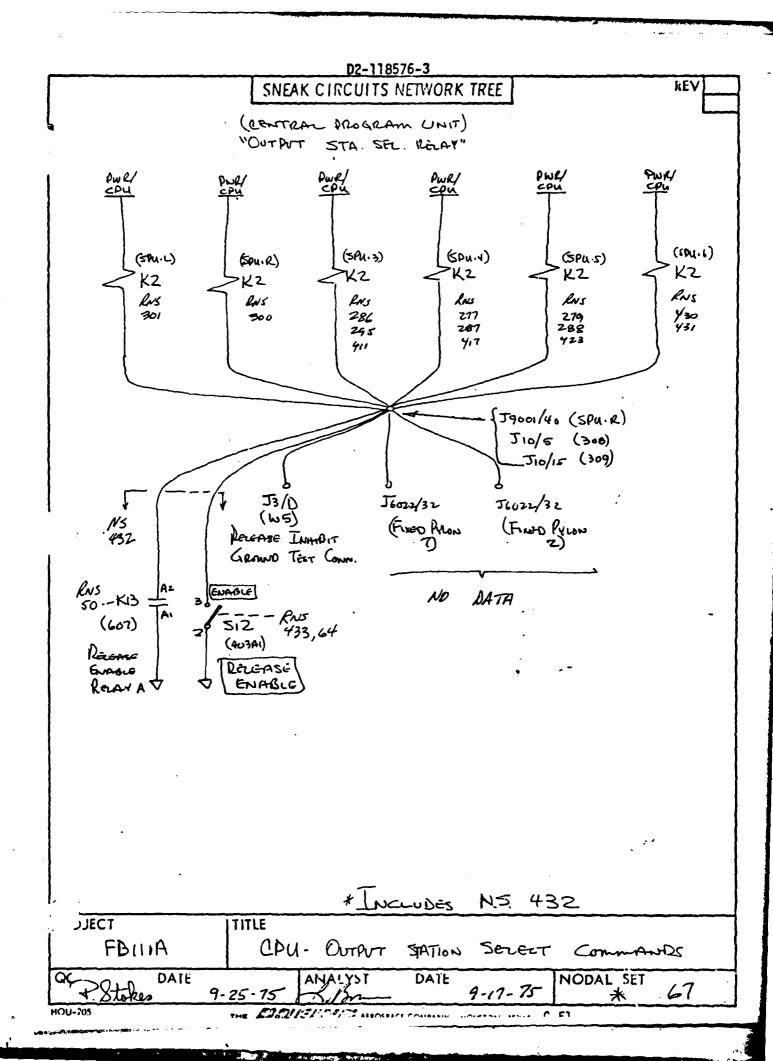
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DATE 9-25-75

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MEING ASSOSPACE COMPANY - HOUSTON TEXAS C. 50



D2-118576-3 SNEAK CIRCUITS NETWORK TREE PWR/cpu Cpu CUTPUT STA L STORE DETTI J 105/5 Spi-L Ks/Noc1 NS 0325/ **VGND** SJECT TITLE CUTPUT STA L STORE FETTI.

FIGURE DATE G-25-75 ANALYST, DATE NODAL SET OF ANALYST, DATE OF ANALYST, D

10U-205 BUEING AEROSPALE COMPANY - HOUSTON, TEXAS C=52

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PWR/CPU

AMAC-L STA L WAN

AMAC-L IDENT LINE 5

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SK1

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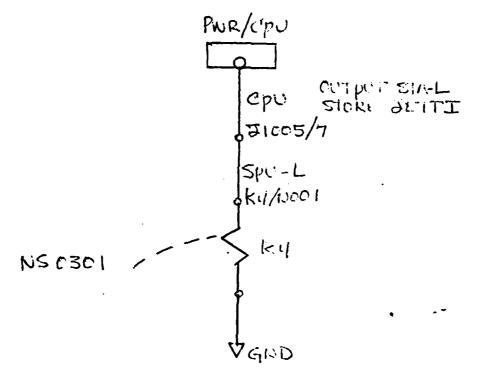
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BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-53

D2-118576-3
SNEAK CIRCUITS NETWORK TREE

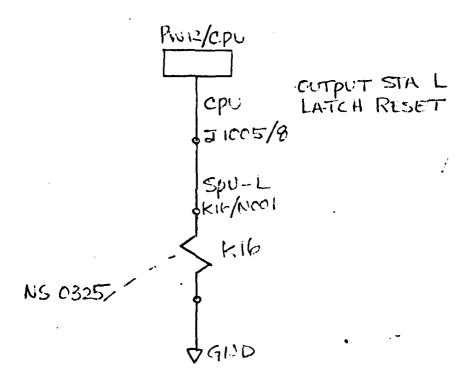


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D2-118576-3

SNEAK CIRCUITS NETWORK TREE



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PWR/CPU
LWPN INCOT
LINE 1

CPU
LINE 1

LWPN IDENT

289 LINE 1

289 LINE 1

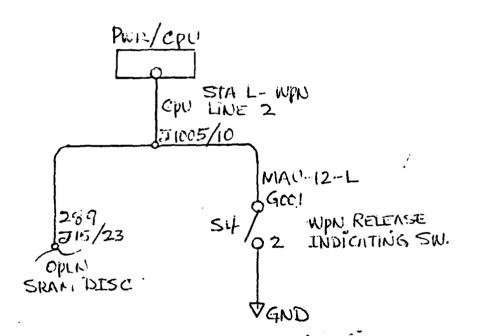
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TITLE SJECT SIA L- WAN LINE 2 DATE 1-22-75 NODAL SET DATE ANALYST 9-25-75

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SNEAK CIRCUITS NETWORK TREE	REV
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"Our STA. L DATION I" Pine/CPU (CDU) - T1005/12 K5 (SPU. L)	
FBILLA "OUT STATION L OPTION 1" CMD.	
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SNEAK CIRCUITS NETWORK TREE "Out Sta. L Comon 2" PWR/CPU (CPU) TIOOS/18 K6 (SPU. L)	REV
FBILLA "OUT STATION L OPTION Z" CMB.	
Stakes DATE 9.25.75 ANALYST DATE 9-17-75 NODAL SET	76

D2-118576-3 SNEAK CIRCUITS NETWORK TREE "OUT STA. L OPTION 3" PWR/CPU (cpu) - J1005/14 ' K7 (sou.l) PROJECT TITLE "OUT STATION L OPTION 3" Command FBILIA DATE 9-17-75 NODAL SET DATE 77 Stokes 9-25-75 REV SNEAK CIRCUITS NETWORK TREE "Out Sta. L Dotton 4" DWR/CDU (Ou) -J1005/15 (SAU.L)

ROJECT	TITLE	_	
FBIIIA	"OUT STATION L	OPTION 4" Co	Menanin
GC DATE 9.2	ANALYST	DATE 9-17-75	NODAL SET 78

D2-118576-3 -SNEAK CIRCUITS NETWORK TREE AUR/CPU 31005/21 K14, OUTPUT OPTION 10 x reference NS 1, 301 PROJECT TITLE FB-111A OUTPUT OPTION TO, SPU-L DATE 9/22/75 NODAL SET analyst m Darnett DATE 83 9-25-75 SNEAK CIRCUITS NETWORK TREE PUR/CPU 731005,23 x REFERENCE T. OUT PUT RPU 20001/13 OJECT TITLE FB-IIIA OUTPUT STA-P. SEL DATE ANALYST NODAL SET OC Stokes DATE 84 9/22/75 9-25-75

		D2-118576-3	
<u>.</u>		-SNEAK CIRCUITS NETWORK TREE	REV
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	:	PWR/CPU	4
		31005/24	
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	:	seu-R	
	.	k3, STORE JETTISON	
	i	x reference NS 319	
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		• .	
		TLE .	
	FB-IIIA	STORE JETTISON, SPU-R	
	OC Stakes DATE 9-25.	-75 ANALYST DATE 9;22/75 NODAL SET	15
	+ Stokes 9-25.	-75 I'M (MANUAL 1/2-713]	
		LOUGHE ALBOMITE METHODIC TOUT	REVI
.		SNEAK CIRCUITS NETWORK TREE	REV
`		SNEAK CIRCUITS NETWORK TREE	REV
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		Pwe/CPU	REV
		PWR/CPU. 31005/25	REV
		Pwe/CPU	REV
		PWR/CPU. 31005/25 5PU-R	REV
•		PWR/CPU. J1005/25 SPU-R K16, '2 LATCH RESET	REV
		PWR/CPU. J1005/25 SPU-R K16, '2 LATCH RESET	REV
		PWR/CPU J1005/25 SPU-R K16, '2 LATCH RESET x references NE 319	REV
		PWR/CPU J1005/25 SPU-R K16, '2 LATCH RESET x references NE 319	REV
		PWR/CPU 31005/25 SPU-R K16, 'Z LATCH RESET × references NZ 319	REV
	_	PER/CPU JIOOS/25 SPU-R KIG, 'Z LATCH RESET × references NE 319 THE 2 LATCH RESET, S.PU-R	REV
	_	POR/CPU JIOUS/25 SPU-R KIG, '2 LATCH RESET X references NE 319 THE 2 LATCH RESET, SPU-R INDUST DATE INDUST.	REV

D2-118576-3 SNEAK CIRCUITS NETWORK TREE PWR/CPUL 31005/26 SRAM DISC - OPEN x REFERENCES 289 313/24 PROJECT TITLE FB-111A SRAM DISCONNECT - OPEN DATE NODAL SET ANALYST DATE 9/22/15 morand 9-25-75 SNEAK CIRCUITS NETWORK TREE PWR/CPU J1005/27 MAU-IZ-R SRAM DISCONNECT -OPEN x reference NS 1 6289 313/23 XWPN RUSED INDICATING SW JECT TITLE WPN IDENT LINE Z B-111A DATE DATE ANALYST NODAL SET 9:122/75 88 9-25-75 teans I M

	D2-118576-3	
	- SNEAK CIRCUITS NETWORK TREE	REV
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4.		
	PWR/CPU	_
	J1005/28	•
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	NO X REFERENCES	
	5 289	
	7/3/25	
	PROJECT TITLE	
	FB-111A SRAM DISCONNECT - OPEN	
	ANALYST DATE 9/22/75 NODAL SET	89
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		KEVI
	SNEAK CIRCUITS NETWORK TREE	REV
	SNEAK CIRCUITS NEIWORK TREE	KEV
		XEV
	PWR/CPU	KEV
		KEV
	PWR/CPU	KEV
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	PWE/CPU Z1005	XEV
	PWR/CPU Z1005	XEV
	PWR/CPU Z1005	XEV
	PWR/CPU JOOS JOOS SRAM DISCONNECT - OPEN	XEV
	PODE/CPU SCOOS SCOOS SPAN DISCONNECT - OPEN	XEV
	PWR/CPU JOOS JOOS SRAM DISCONNECT - OPEN	XEV
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	PODE/CPU SCOOS SRAM DIXCONNECT - OPEN DIS/26 TITLE	
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SNEAK CIRCUITS NETWORK TREE	REV
,	
"STORE JETTISON" PWR/CPU (CPU) JIONE/32 KY (SPU-R)	
FBILLA "STORE JETTISON" - SPU-R	
OC DATE LANALYST DATE INCOM SET	92
SNEAK CIRCUITS NETWORK TREE	REV
"OUTPUT STAR OPTION I" PWR/CPU (CPU) JIOOS/33 RNS / (SPU.R)	
FBILLA "OUTPUT STATION R OPTION 1"- SPU-R	
The Stokes 9-25-75 ANALYST DATE 9-17-75 NODAL SET	93

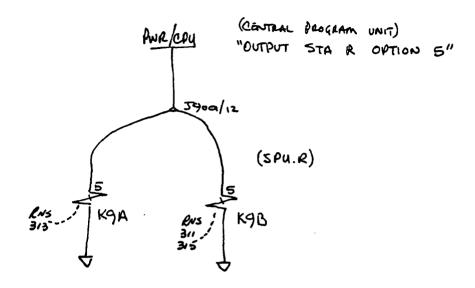
SNEAK CIRCUITS NETWORK TREE	REV
" OUTPUT STATION R OPTION 2" PWR/CPU (CPU)	
J1005/34	
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(SPU.R)	
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PROJECT TITLE	
FBILLA OUTPUT STATION R OPTION 2"- SPU.R	
Stoken 9-25-75 ANALYST DATE 9-17-75 NODAL SET	94
SNEAK CIRCUITS NETWORK TREE	REV
"OUTPUT STATION R OPTION 3" PWR/CPU (CPU)	-
26/30012	•
Rus K7 Spu.R)	
(SPU.R)	
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1 FBILLA OUTPUT STATION R DOTION 3"- SDUIR	
FBILIA OUTPUT STATION R OPTION 3"- SPUIR GC SILD DATE INDUST DATE INDUST SET	
7. Stokes 9.25.75 / 1/3m 9-17-25	95

"OUTPUT STATION R OPTION 4" PWR/CPU - Jims/36 K15.S (spu.R)

JECT "OUTPUT STATION R CATION 4"- SPUIR FBILLA DAIL 9-17-75 NODAL SET DATE

96

REV



K9A & K9B ARE COILS FOR MAG-LATCH RELAYS.
THE CONTACTS SWITCH 3\$-115VAC TO SRAM
DISCONNECT: OUT OF SCOPE.

PBILLA COU OUTPUT: "STATION & OPTION 5"

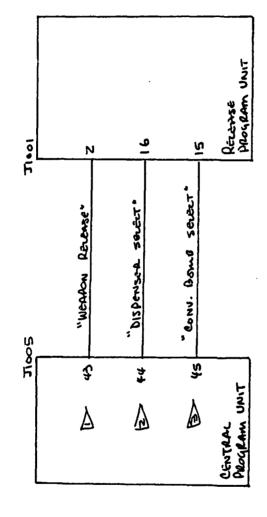
OC DATE 9-25-75 ANALYST DATE 9-72-75 NODAL SET 97

U-205 BDEING AEROSPACE COMPANY - HOLISTON, TEXAS C-71

SNEAK CIRCUITS NETWORK TREE REV
·
"OUTPUT STATION R OPTION 7" + FWR/CPU (CPU)
T1005/39
NO CONNECTION
KII IS NOT INSTALLED.
i de la companya de
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PROJECT TITLE
FBILLA "OUTPUT STATION R OPTION 7"- NOT USED
DATE 9-25-75 ANALYST DATE 9-17-75 NODAL SET 98
SNEAK CIRCUITS NETWORK TREE REV
SHEAR CIRCUITS NEIWORK TREE
"OUTBUT STATION & OPTION 8" PWR/CPU (CPU)
T100-14.
J1005/4.
, , ,
Rus 319 - 1 (SPU.R)
(SPU.R)
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2.*
ROJECT TITLE
FBILLA "OUTPUT STATION R OPTION B" - SPU-R
CC DATE TANKE DATE TANDAL CO
States DATE 9-25-75 ANALYST DATE 9-17-75 NODAL SET 99

SNEAK CIRCUITS NETWORK TREE	REV
"Oran Station R Option 9" PWR/CPU (CPU) Times/41 RNS T K13 (Spu.R)	
PROJECT TITLE FBILLA "OUTPUT STATION R OPTION 9" - SPU-R	·
OC DATE ANALYST DATE NODAL SET	00
	REV
STEAK CIRCUITS HELWORK TREE	
" Oxfour Station R Option 10" PWR/CPU (QPU) RNS 300 (SPU-R)	-
**	
FBILIA OUTPUT STATION R OPTION 10"- SPU-R	2
Stoken DATE 9-25-75 ANALYST DATE 9-17-75 NODAL SET	101

REV



□ NS. 102
 □ NS. 103
 □ NS. 104
 □ NO INFO. DN INTERNACS OF OAL 5 KPM.
 (4) Ref. 1202003-5, Fig. 3-28

* Incodes N.S. 103, 104

ROJECT TITLE

CPU/RPU Interface

OC Stelles DATE 9-26-75 ANALYST DATE 9-23-75 NODAL SET # 102

HOU-205

BUEING AFROSPACE COMPANY - HOUSTON, TEXAS C-74

REV

SEE N.S. 102

JECT

QC

TITLE

FBIIIA

DATE

ANALYST

DATE 9-23-75 NODAL SET 103

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

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SEE N.S. 102

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FBIIIA

DATE

TITLE

DATE

9-23-75

NODAL SET

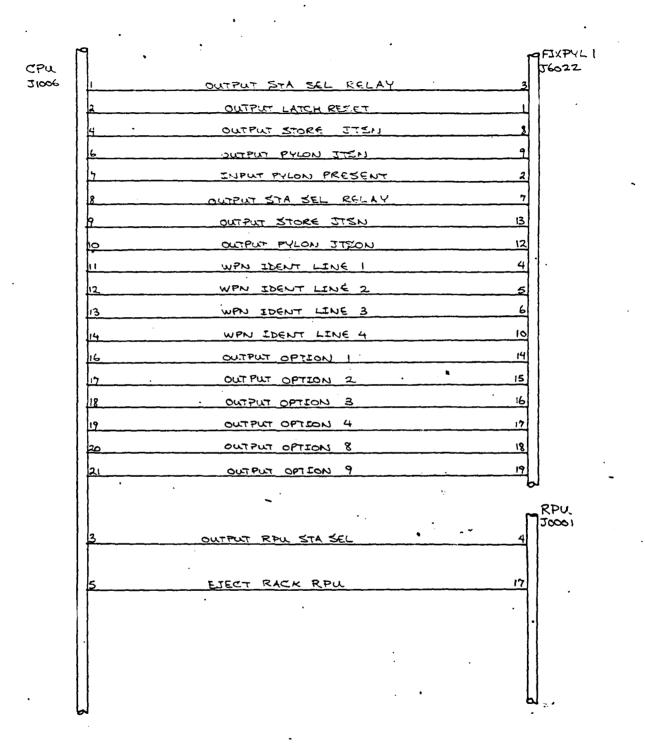
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JECT	TITLE		
FB-IIIA	CPU TO	FIXPYL 1	AND RPU
DATE 9-2	6-75 ANALYST M. MARNETT	DATE 9/17/75	NODAL SET 105-124

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

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<u>u</u> .	was a micro manager	3	10/022
6 22.	OUTPUT ETA SEL RLY	3	,522
23	OUTPUT LATCH RESET	1	·
25	סעד דעד בדסרב שדבא	3	
27	OUT PUT PYL STEN	9	
28	INPUT PYL PRESENT	2	
29	OUTPUT STA SEL RELAY	7	
35	OUTPUT STORE JTSN	13	
31	OUTPUT PYL JTSN	12	
32	WPN IDENT LINE!	4	
33	WPN IDENT LINE 2	5	
34	WPN. IDENT LINE 3	6	
35	WPN IDENT LINE 4	;0	:
37	OUTPUT OPTION !	14	
38	aut fut oftion 2	ıs	
39	OUTPUT OPTION 3	16	
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40	OUTPUT OPTION 4	18	
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24	OUTPUT RPU STA SEL	5	1000E
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FB-111A CPU TO FIXPYL? AND RPU

OC States DATE 9-26-75 MINNIGHT DATE 9/17/75 NODAL SET 125-144.

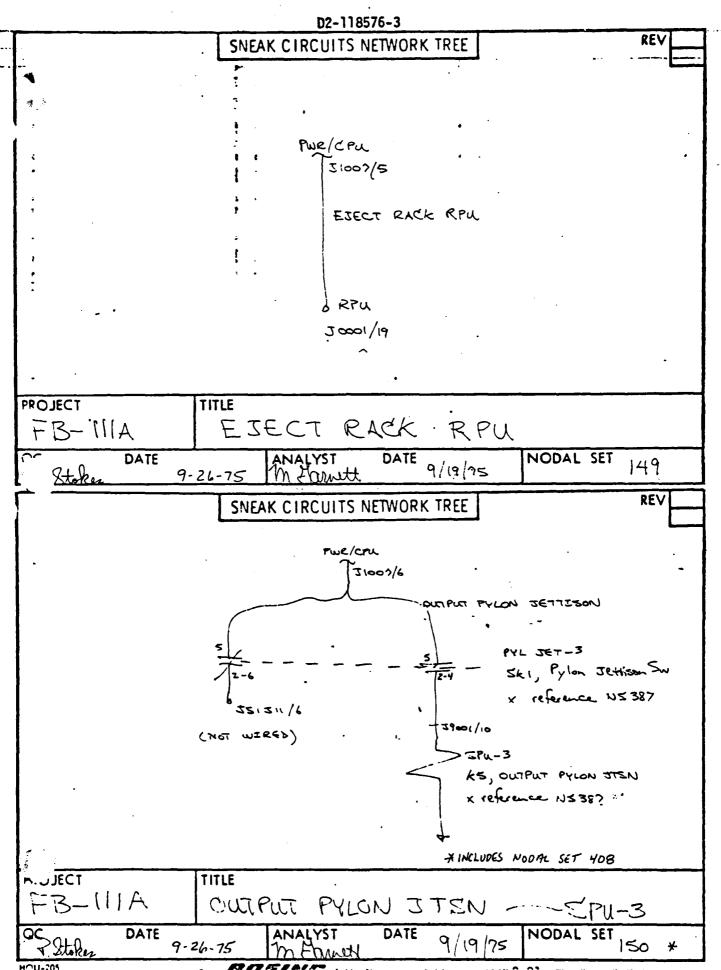
D2-118576-3 SNEAK CIRCUITS NETWORK TREE PWR/CPU 31006/49 SALVO SEL 6 RPU 30001/44 PROJECT TITLE FB-IIIA SALVO SEL DATE ANALYST M Darnett DATE NODAL SET 9/19/75 9-26-75 1.45 SNEAK CIRCUITS NETWORK TREE PWR/CPU 31007/2 > SPU-3 . K19, OWTPUT LATCH RESET x reference UZ 294 SJECT TITLE FB-IIIA OUTPUT LATCH RESET DATE 9/19/75 DATE NODAL SET 146 P. Stokes 9-26-75

	D?-118576-3	REV
	. SNEAK CIRCUITS NETWORK TREE	
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	OUTPUT RPU STA SEL	
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PROJECT	TITLE	
FB-111A	OUTPUT RPU STA SEL	
OC DATE	ANALYST DATE 9/19/75 NODAL SET	147
Stokes 9-2		
	SNEAK CIRCUITS NETWORK TREE	REV
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3		-
	Pwe/cru	•
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	J1007/4 SPU-31 K3; OUTPUT STORE STEN	-
	J1007/4	-
	J1007/4 SPU-3' K3, OUTPUT STORE STEN X reference 294	
·	J1007/4 SPU-31 K3; OUTPUT STORE STEN	
	SPU-31 K 3; OUTPUT STORE STEN X reference 294	
JECT IIIA	JIOO 7/4 SPU-3' K3, OUTPUT STORE STEN X reference 294	
FB-IIIA	TITLE OUTPUT STORE JTSIJ - SPU-	3
FB-111A OCTOBER DATE	JIOO 7/4 SPU-3' K3, OUTPUT STORE STEN X reference 294	3 148

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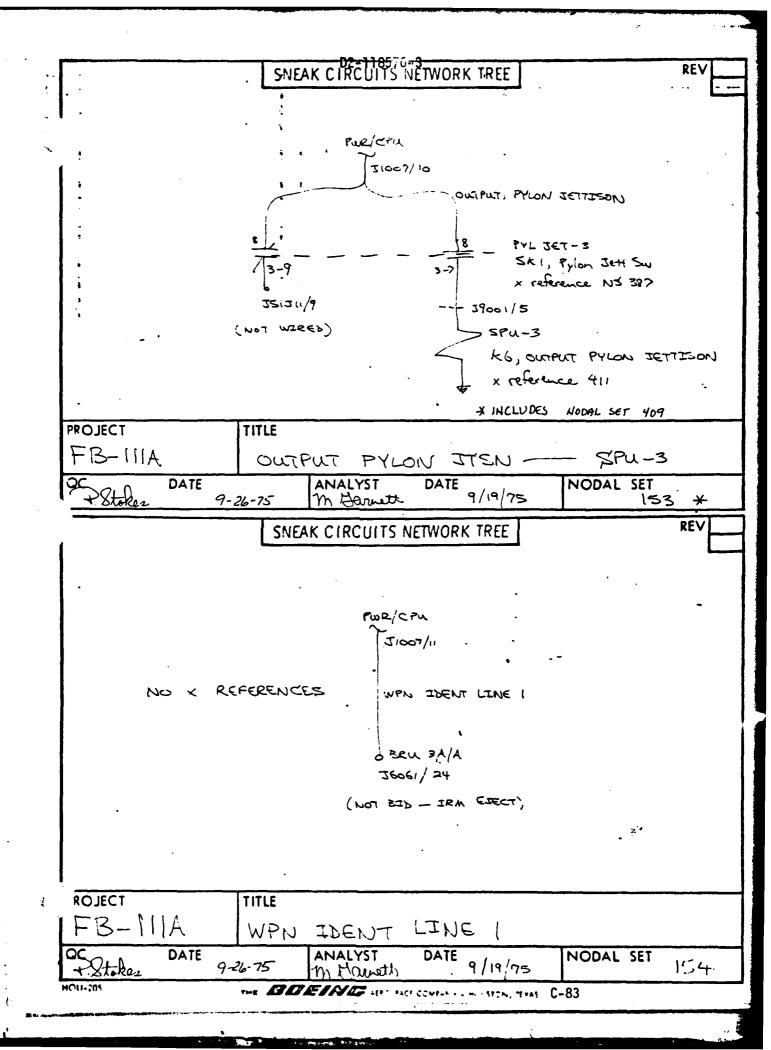
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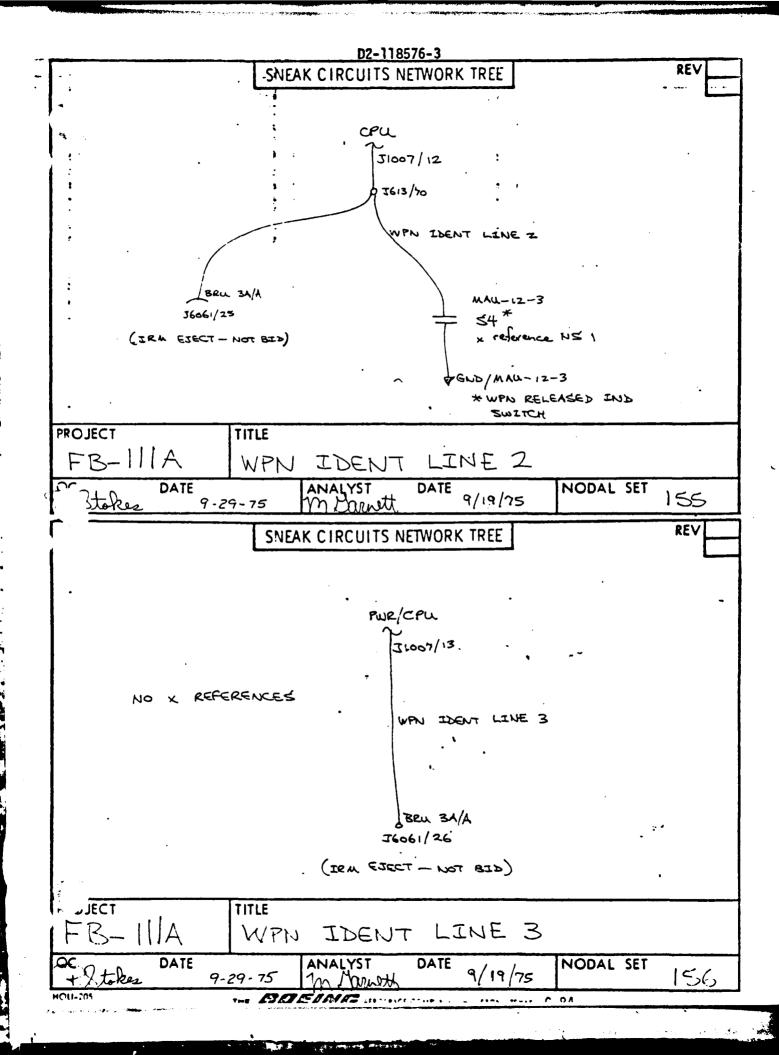
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		Ruston	
		Pwe/czu	
	:	751007/7	•
	1:	INPUT PYLON PRESENT	
		(switched GNO)"	
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	1.		
		7 2613/83	
		4 - 3:31.3	
		(Pivot Pylon 2-70)	
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	PROJECT	TITLE	
	FB-111A	INPUT-PYLON PRESENT	
	QC DATE	LANALYST DATE INCOME SET	
	+ Stokes 9-	-26-75 M. Carrett 9/19/75 NODAL SET	151
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,	1	SNEAK CIRCUITS NETWORK TREE	REV
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	•	Pwe/cru 21007/9	REV
	•	Pwe/cru 21007/9 584-3	REV
		PWE/CPU 31007/9 SPU-3 K4, OUTPUT STORE STEN	REV
		Pwe/cru 21007/9 584-3	REV
		PWE/CPU 31007/9 SPU-3 K4, OUTPUT STORE STEN	REV
		PWE/CPU 31007/9 SPU-3 K4, OUTPUT STORE STEN	REV
		Pwe/cpu 31007/9 SPU-3 K4, OUTPUT STORE STEN X reference NS 295	REV
		PWE/CPU 31007/9 SPU-3 K4, OUTPUT STORE STEN X reference NS 295	REV
	ROJECT	PWE/CPU 31007/9 SPU-3 K4, OUTPUT STORE STEN X reference NS 295	
	FB-IIIA.	PWE/CPU 51007/9 SPU-3 K4, OUTPUT STORE STEN X reference NS 295 TITLE OUTPUT - STORE JTSIN SPU-	
	FB-IIIA.	PWR/CPU 21007/9 SPU-3 K4, OUTPUT STORE STEN X reference NE 295 TITLE OUTPUT - STORE STEN ANALYST DATE NODAL SET	

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REV

PWR/CPU

J1007/14

NO X REFERENCES

WPN IDENT LINE 4

BRU BA/A 36061/23

(IRM EJECT - NOT BID)

OR .CT TITLE WPN IDENT LINE 4 FB-IIIA NODAL SET 157 DATE 9/19/75 ANALYST my Carnett DATE 9-29-75

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-85

REV

OJIOO7/IS

GLAS
Sk1

F3 (AMAC-3)
RNS 1

VGND
(AMAC-3)

JECT

TITLE

FB111-A

Weapon Ident. Line 5 . AMAC-3

DATE DATE

9-29-75

ANALYST

DATE

9-16-75

NODAL SET

158

HOU-205

BOEINE AFROSPACE COMPANY - HOUSTON TEVAS COR

ANALYST DATE

4 8 Tables 9-29-75 Jim Vergas 9-18-75-

DATE

THE TOTAL CONTRACTOR

NODAL SET

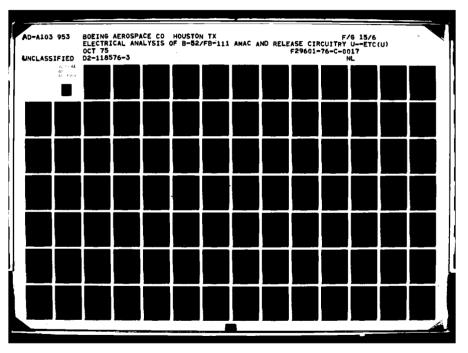
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JECT	TITLE			
FB 111-A	00	itput Op-	tion 4 - spu -	3
DATE DATE	9-29-75	J. Verges	DATE 4-18-75	NODAL SET
WILL TOP			1-17-73	

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02-118576-3 SNEAK CIRCUITS NEIWORK TREE Toutput option 8 11007/23 RNS 1 X (5P4-3) 7703555 TITLE Output Option 8, SPU-3 FB 111-A 37.75 DATE NODAL THE P Stoken 9-29-75 165 9-18-75 SMEAK CIRCUITS NETWORK TRUE ! CPU Youtput Option 9 11007/24 RNS 294 K16 (SP4-3) & GNO

PROJECT	TITLE			
FB111-A	Oa	tput Option	4 9, Spu-3	•
OC Stokes	DATE 9-29-75	ANALYST J Verues	DATE	NODAL SET 166
HOUSES			9-18-75	



PROJECT TITLE Output Latch Reset FB 111 - A DATE DATE NODAL SET ANALYST 168 9-29-75 J. Verges 9-18-75

THE ASSISTANTINE AND CONTROL OF THE THAT C-91

D2-110576-3 SNEAK CIRCUITS NETWORK TREE Toutput RPU STA SEL 11001/7 10001/7 TY CLIFCT THE Output RPU STA SEL FB 111-A !.A:: ANALYST INCOAL SET CTT 169 9-29-75 J. Yenes 9-18-75 SUFAK CIRCUITS NETWORK TREE CPU Toutput store JTSN 11007/29 K3 PROJECT TITLE Output Store JTSN, SPU-4 FB 111 - A

THE ANIMEDINE METERY CONFIDENCE STORES C-92

DATE

9-18-75

ANALYST

J. Veryas

DATE .

100

170

NODAL SET

D2-118576-3 REV SNEAK CIRCUITS NETWORK TREE CPU TEJECT Rock RP4 J1007/30 J0001/20 PRO ECT THIE Eject Rack RPU FB111-A LAKE. J. Verges 9-11-75 TIVODAL SET SMEAK PERCUITS NETWORK THEF I Toutput PYL UTSN 11007/31 - = SK! PYLON JEH SW .-JSI JII/6 (PYL 101.4) (OE) 19001/10 RNS 390 K5 OGN,

PROJECT TITLE

FB111-A

Output PyL JTSN

OC DATE:

9-29-15 ANALYST DATE

172*

HOU-205

or Little Carlo Carlo Carlo Constitution of the Carlo Carlo

CPU Input PYL Present 11007/32 PUL13/83 (PIYPYL4) TEND

Note: When Pylon is present a ground signal is sent to cru.

JECT

DATE

TITLE

FB111-A

Input PYLON Present

9-29-75

ANALYST 2 Verges DATE . 9-14-75 NODAL SET

173

BUEING AEROSPACE COMPANY - HI HISTON, TEXAS C-94

REV

SNEAK CIRCUITS NEIWOLK TREE WPN IDENT LINE 1 11007/36 \$J613/76 (BRU 3A/A4) 016061/24 IRM EVECT (Not Bid) PORCE TITLE FBIII-A WPN IDENT. LINE 1 DATE ANALYST SAIS 176 9-29-75 J. Verges 9-79-75 SNEAK CIRCUITS NETWORK TRUE WPN IPENT LINE 2 11007/37 J613/70 (PIVPYL4) J6061/25 IRM Eject (Not Bil) RNS 1 w WPN Released Indicating switch. CMAN-12-45 DGND PROJECT TILLE FB111 - A WPN JDENT Line 2

DATE

9-19-75

NODAL SET

177

ANALYST

Verges

Stokes

DATE

9-29-75

D2-118576-3 SNEAK CIRCUITS NETWORK TREE Y WAN IDENT. Line 3 21007/38 1613/78 (BRU 3A/A4) J6061/26 JRM Eject Not Bil PROJECT THE FB111-A WPN IDENT. Line 3 TI-0541 SET 178 ANALYST DATE 9-29-75 J. Verges 9-19-75 SHEAK CIRCUITS NETWORK TOUT! TUPN IDENT. Line 4 \$11007/39 J6/3/77 (BEH 3A/AH) 06061/23 IRM Eject Not Bid .

PROJECT TITLE WPN IDENT. Line 4 FB111-A DATE ANALYST DATE NODAL SET +Stokes 9-29-75 179. J. Verge, 9-19-75 THE LOCAL PROJECT ACTURACY CONTRACT - TOTAL TERMS C-97

RE

WPN IDEAT Line S

OJ1007/40

ELAS K1

F3 (AMAC-4)

RNS 1

GND

(AMAC-4)

FB111-A Weapon Ident. Line 5. AMAC-4

QC DATE

QC DATE

9.29-15

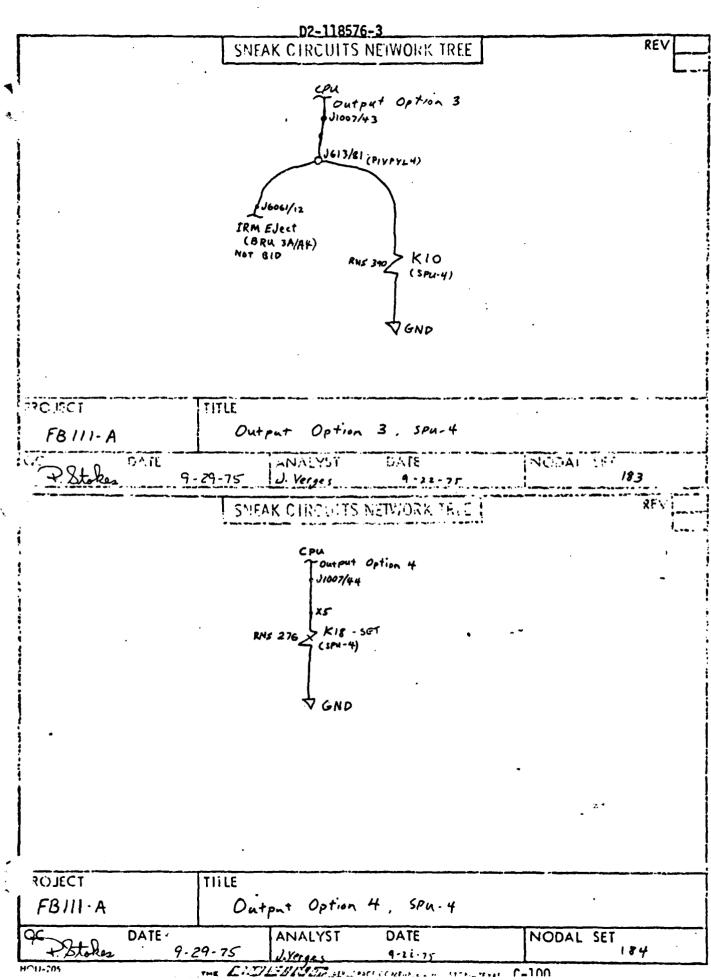
ANALYST DATE

NODAL SET
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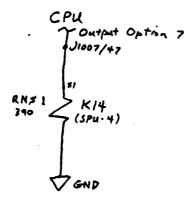
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D2-118576-3 KEV SNEAK CIRCUITS NEIWORK TREE output Option 5 J1007/45 NJ9001/12 RNS 305 X 12 B (SPU-4) ANS 310 SET VGND $abla_{GND}$ PROJECT 1:1115 Output Option 5 Spu-4 FBIII-A SET SET ANALYST DATE P. Stokes J. Verges 9-22.75 185 9-29-75 85, SHEAK CIRCUITS NETWORK TREE CPU Youtput Option 7 J1007/47



PROJECT

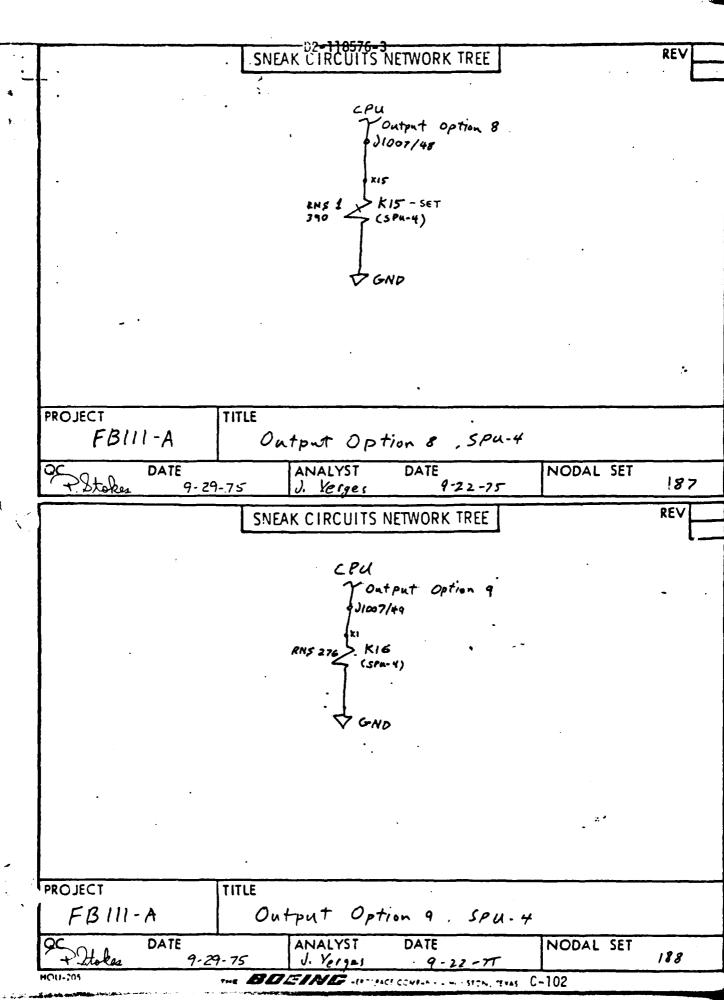
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Output Option 7, SPU 4

OC DATE

+: Stokes 9-29-75 J. Yeiges 4-23-75 186

1001-208 Too ANEW AND AND ASSOCIATION OF SETS, TEXAS C-101



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REV

CPU
Toutput Option to
JIDET/SO

II

RNS 1
(SPU-4)

GND

JECT TITLE

FB 111-A Output Option 10, SPU-4

QC DATE ANALYST DATE NODAL SET 189

HOU-205

BOEINE AEROSPACE COMPANY - HOUSTON, TEXAS C-103

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV

JIOO7

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Should not have been bid, to comection

CPU

SJECT	TITLE			
FB-IIIA	ENG	3 YERIC	H NO	SID
DATE DATE	9-29-75	ANALYST m. Darnett	DATE 9/19/75	NODAL SET 190
T. FORES	7-61 /3	777		C 104

HOU-205

BOEINE AFROSPACE COMPANY - HOUSTON, TEXAS C-104

REV

Pue/CPU
7008/2

SPU-5

K19, OUTPUT LATCH RESET

× reference NS 278

FB-111A SP

SPU-5 OUTPUT LATCH RESET

Stokes 9-29-75 Micharutt DATE 9/18/75 NODAL SET 191

SMEAK CIRCUITS METVEORK TRLE

XL.

JIOOS 3 QUITPUT RPU STA SEL ZI JOOG

NO X REFERENCES

PROJECT TITLE

FB-111A OUTPUT RPU STA SEL

OF Stokes 9-29-75 ANALYST DATE 9/18/75 NODAL SET 192

D2-118576-3 SNEAK CIRCUITS NETWORK TREE PWR/CPU 751008/4 SPU-5 K3, OUTPUT STORE ITSN x reference NS 278 FPC.IECT TITLE FB-IIIA SPU-5 OUTPUT STORE JTSN UATE 9/18/75 M Exerutt DATE INCOAL SET 193 9-29-75 SNEAK CIRCUITS NETWORK TREE RPUL CPU 1000 21008 EJECT RACK RPU x REFERENCES PROJECT TITLE FB-111A EJECT RACK RPU

THE ESCIPLIFICATION CONTACT CONTACT OF THE STON, THESE C-106

DATE

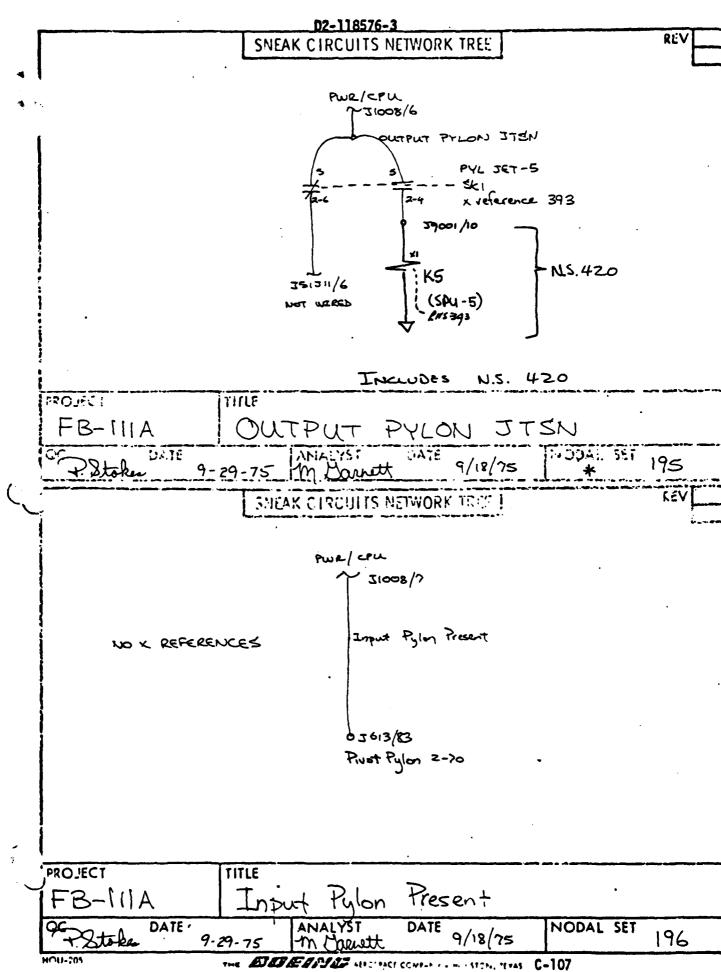
NODAL SET

194

ANALYST M Mornett

DATE .

9-29-75



D2-118576-3 SNEAK CIRCUITS NETWORK TREE Pwa/cru 780012 5PU-5 k4, output store eten x reference NS 279 POJECT TITLE FB-IIIA OUTPUT STORE STEN, SPU-5 BATE 9-29-75 m Jamett 9/18/75 SMEAK CIRCUITS NETWORK TRUE PWE/CPL J1008/10 OUTPUT Pyl JTSU PYL 3ET-5 NS. 421 (SPU-5) 381311/9 NOT WEREL *INCLUDES N.S. 421 PROJECT TITLE FB-IIIA OUTPUT PYL JTSN,

ANALYST
The Marnett

DATE

9/18/75

NODAL SET

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9-29-75

SNEAK CIRCUITS NETWORK TREE PWR/CPU J1008/11 WPW IDENT LINE! NO & REFERENCES BRU 3A/AS 036061/24 (IRM EJECT - NOT BID) PACJECT Time FB-IIIA IWPN IDENT LINE I TO IRM EJECT DATE INCIONE SET m Dariett 9/18/75 9-29-75 SNEAK CIRCUITS NETWORK TREE CPU 31008/12 WAN IDENT LINE 2 3613/70 MAU-12-5 36061/25 BRU 34/AS (SRA GIECT - NOT BID) MWPN RUSED INDICATING LIGHT PROJECT TITLE FB-11)A WPW WENT LINE 2 ANALYST 1/1/2 Troubt DATE DATE NODAL SET 200 9-29-15 9/18/75

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	DATE 9 38 30 ANALYST DATE 9/11/25 NODAL SET	200

D2-118576-3 SNEAK CIRCUITS NETWORK TREE PWR/CPU 31008/17 SPU-5 k9, output option 2 X reference N\$ 393,394 N5422 # INCLUDES NODAL SET 422 PROJECT 17:11:5 FB-IIIA OUTPUT OPTION 2, SPU-5 DATE 9/18/75 NODAL SET DATE 9-29-75 M Darnett 205* SMEAK CIRCUITS NETWORK TREE PWR/CPU 3100E/18 **ZUPYLS** 3613/81 KIO, OUTPUT OPTION 3 36061/12 x reference NS 393 (NOT 325- IRM ESECT) PROJECT TITLE OUTPUT OPTION 3, SPU-S FB-111A NODAL SET 206 DATE . MALYST ME CORNELL DATE 9-29-75 9/18/75

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SNEAK CIRCUITS NETWORK TREE REV Pur/czu 71008/19 57W-5 KIB, SET, OWIPLET OPTION 4 X reference NS 278 PROJECT TILLE -B-IIIA OUTPUT OPTION 4, SPU-5 NODAL SET 207 26/8/75 In Empett 9-29-75 SMEAK CIRCUITS NETWORK TROP PWR/CPU 11008/20 owna orasu 5 " OUTPUT OPTIONS, SET , KIZA k128, SET, OUTPUT OPTION S x reference NS 311 X reference NS 313,315 FROJECT TITLE FB-IIIA OUTPUT OPTIONS, SPU-S DATE ANALYST My prutt DATE NODAL SET 9/18/75 208

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31008/22

SPU-5

K14, OUTPUT OPTION >

X reference NS 1,393

PROJECT

TITLE

FB-IIIA

OUTPUT OPTION 7, SPU-5

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1-29-75 m Landt

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NODAL SEL

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SNEAK CIRCUITS NETWORK TREE

138

PWR/CPU

31008/23

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x reference NS 1,393

PROJECT

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FB-IIIA

OUTPUT OPTION 8, SPU-5

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PWR/CPU

31008/24

SPU-5 KIG, OUTPUT OPTION 9

x reference NS 278

PPOJECT TITLE

FB-111A OUTPUT OPTION 9 - SPU-5

PStokes 9-29-75 My Darwett 0418 9/19/75 NODAL SE 211

SMEAK CIRCUITS NETWORK TREE

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PWR/CPU

31008/25

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K17, OUTPUT OPTION 10

x reference 1, 392

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TITLE

FB-111A

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9-29-75

ANALYST M Courett DATE 9/19/75

NODAL SET 212

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AUR/CPU 31008/27

> SPU-6 K19, OUTPUT LATCH RESET

x reference NS 424

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FB-IIIA

OUTPUT LATCH RESET --- SPU-6

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9-29-75 in Cault

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DATE 9/19/75 NODAL SET 213

SNEAK CIRCUITS NETWORK TREE

PWR/CPU

J1008/28

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OUTPUT RPU STA SEL

PROJECT TITLE FB-111A OWTPUT RPU STA SEL DATE 9/19/25 DATE ANALYST Th Harrett NODAL SET 214

D2-118576-3 SNEAK CIRCUITS NETWORK TRES PWR/CPU 31008/29 SPU-6 k3, output store ITSN x reference us 424 PROJECT TILLE FB-111A OUTPUT STORE JTSN ---- SPU-6 TNODAL SET 215 9/19/75 9-29-75 SMEAK CIRCUITS NETWORK TREE! PWR/CPU 21008/30 NO X REFERENCES EJECT RACK RPU RPU J0001/2Z

PROJECT TITLE

FB-111A EJECT RACK RPU

OFPOLICE 9-29-75 M Danett 9/19/75 NODAL SET 216

SNEAK CIRCUITS NETWORK TREE PUR/CPU 31008/31 OUTPUT PYL JTSN . MYLCH TETTISON SW KE (SPU-6) > NS.427 * INCLUDES N.S. 427 P&C.JECT 1,171,5 OUTPUT PYLON JTEN INCOAL SET D/ 18 9/19/75 9-29-75 * SHEAK CIRCUITS NETWORK TREE Awe/cpu 31008/32 Input Pylon Present NO x REFERENCE 12613 183 (Pivot Pylon 2-70) PROJECT TITLE FB-111A Input Pylon Present NODAL SET 218 DATE 9/19/75 DATE

SNEAK CIRCUITS NETWORK TREE Rue/cru J1008/34 k4, output store STEN x reference N\$ 430 (195) PROJECT TITLE FB-IIIA OUTPUT STORE JTSN - SPU-6 DATE 9/19/75 m Darnett 219 9-29-75 SMEAK CIRCUITS NETWORK THEF PWR/CPU Z 1008 / 35 OUTPUT PYLON STEN PYL JGT-6 Sk1, Pylon Jettison Sw you Jettison X reference NX 396 N.S. 428 35,211/9 K6 NOT WERED (squ.6) * Includes N.S. 428 PROJECT TITLE FB-111A OUTPUT PYLON JISN DATE . DATE NODAL SET 9/19/75 220 9-29-75

REV SNEAK CIRCUITS NETWORK TREE PUR/GPU 131008/36 WPN IDENT LINE I x reperences BRU SA/A6 0 36061/24 (IEM EJECT - NOT BID) 320 JECT TITLE FB-111A WPN IDENT LINE 1 DATE 3170 9/19/75 9-29-75 m Barrets SNEAK CIRCUITS NETWORK TRUE 31008/37 WAN IDENT LINE Z PLYPYL6 3613/70 MM-12-6 BRU 34/46 36061/25 x reference NS ((LEN EXECT - NOT BOD) **JEND** MAU-12-6 + WPN RELEASED INDICATING IN PROJECT TITLE FB-111A WPN IDENT LINE 2 ANALYST m & Strengt DATE DATE NODAL SET 9/19/75 222-PStoke 9-29-75

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	JEGO (25 (IRM ESECT - NOT BID) PROJECT TITLE FB-11/A WPN IDENT LINE 4 RESULT DATE: [NODAL SET]	224

REV

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TWPN IDEAT Line S

O J1008/40

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Sk1
T83 (AMAC-6)
RNS1

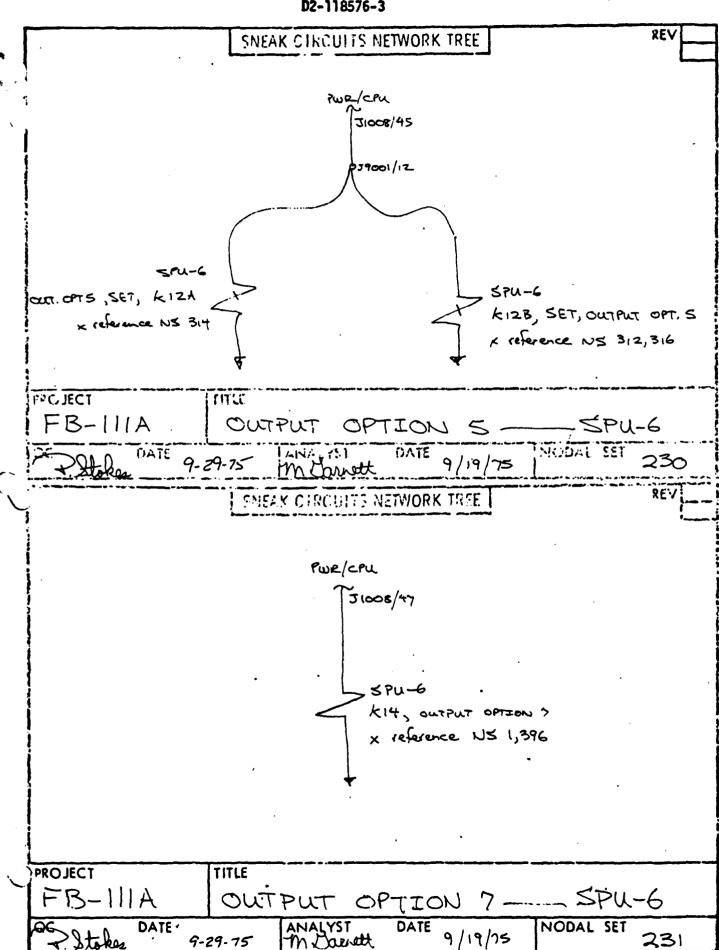
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(AMAC-6)

FB111-A Weapon Ident. Line 5. AMAC.6

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	SNEAK CIRCUITS NETWORK TREE	REV
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	PROJECT TITLE	129
	IFB-111A OUTPUT OPTION 2 SPU	1-6
	25 Stoles DATE 9-29-75 ANALYST DATE 9/19/75 NODAL SET	227*

SNEAK CIRCUITS NEIWORK TREE POR/CPU 21008/43 72VPYL6 3613/81 ~ BRU 34/46 36061/12 k10, output option 3 (IRM EJECT - NOT BID) x reference US 396 FOC.ISCT TITLE FB-111A -SPU-6 OUTPUT OPTION 3 9-29-75 M Darnett NOSAL SET DATE DATE 228 9/19/75 SNEAK CIRCUITS NETWORK TRUE PWR/CPU J1008/44 SPU-6 KIB, SET, OUTPUT OPTION 4 x reference NS 424 PROJECT TITLE FB-IIIA OUTPUT OPTION 4------ SPU-6 ANALYST M Darnett DATE DATE NODAL SET 229 9-29-75



REV SNEAK CIRCUITS NETWORK TRFE PER/CPU 31008/48 SPU-6 KIS, SET, OUTPUT OPTION 8 x reference NS1,396 1231,035 TITLE OUTPUT OPTION 8 - SPU-6 FB-111A VATE INCOAL SET m Earneth 9/19/75 232 9-29-75 «EV SNEAK CIRCUITS NETWORK TREE PWR/CPU J 1008/49 5PU-6 KIG, OWTPUT OPTION 9 x reference NS 424 PROJECT TITLE OUTPUT OPTION 9 ---- SPU-6 FB-IIIA NODAL SET DATE . ANALYST m Harnett DATE 233 9-29-75

D2-118576-3 SNEAK CIRCUITS NETWORK TREE PWR/CPU J 1008 /50 5PU-6 KIT, OUTPUT OPTION 10 x reference NS 1,395 PROJECT TITLE FB-111A OUTPUT OPTION 10 -NODAL SET DATE m Dawet 9/19/75 9-29-75 SNEAK CIRCUITS NETWORK TREE PWR/CPU 7 31008/51 NO X REFERENCES ENG DERICH OPEN END (458 TOU) PROJECT TITLE ENG DERICH FB-IIIA NOT BID ANALYST M Exercits DATE NODAL SET

9/19/75

235

SNEAK CIRCUITS NETWORK TREE CPU 31009 RPU STA SE 1000Z **プージJECT** ITITLE

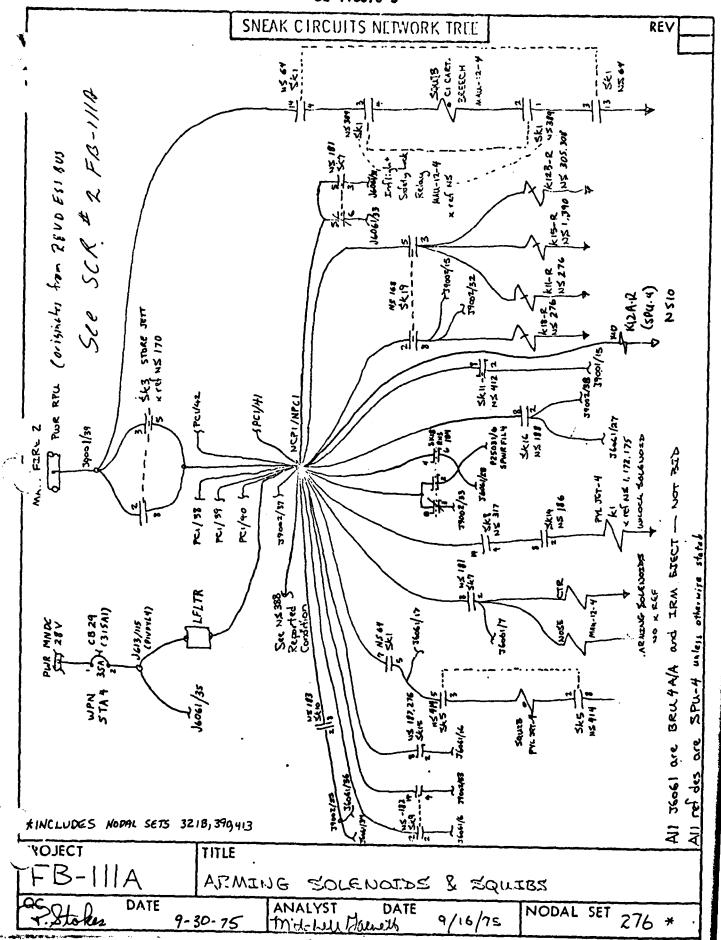
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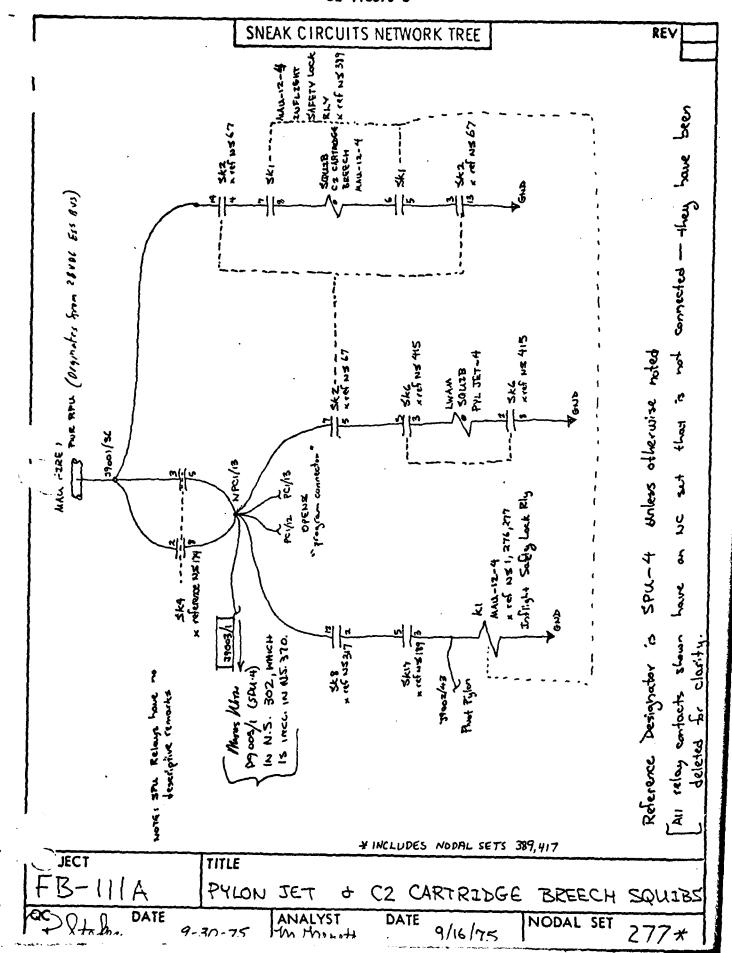
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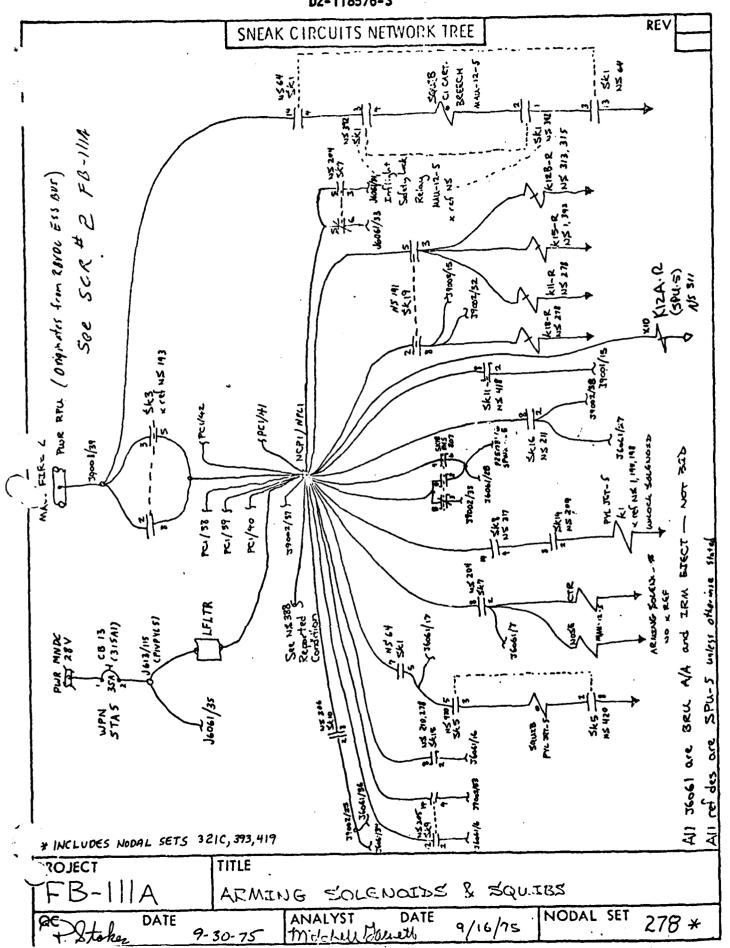
CPU TO FIXPYL7 AND RPU

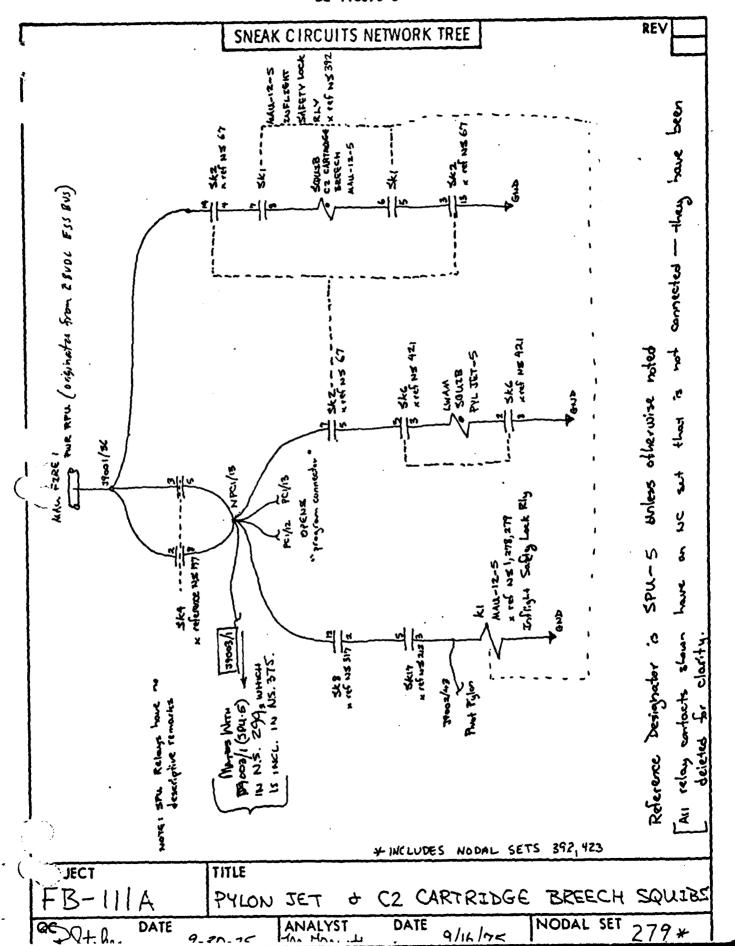
SNEAK CIRCUITS NETWORK TREE FIXPYLB LTPUT STA SEL RELAY 36022 31009 OUTPUT LATCH RESET INPUT PUL PRESENT OUTPUT STA SEL RLY OUTPUT STORE JISH OUTPUT PYL JISN WPN IDENT LINE ! 33 WPN IDENT LINE 2 WPN IDENT LINE 3 WPN IDENT LINE 4 1 NOITED THETHO 37 OUTPUT OPTION 2 OLETPLET OPTION 3 40 OUTPUT OPTION 4 OUTPUT OPTION 8 OUT PUT OPTION 9 RPU OUTPUT RPU STA SEL 70001 EJECT RACK RPU

JECT LECT	ITITLE			
FB-111A	CPU TO	FIXPYL8	AND RPU	
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REV

PUR "MAU FIRE 2"

T2/5 (RDU)

T6/5 (308)

T6006/11 (FIXED PYL. 6)

NO DATA

FBILLA "MAU FIRE 2" - FIXED PYLON C

OC DATE 9-30-75 ANALYST DATE 9-17-75 NODAL SET 280

SNEAK CIRCUITS NETWORK TREE

REV

DWR "MAU FIRE I"

T2/6 (RPU)

T6/6 (308)

J6006/14 (Fixed Pyl. 6)

NO DATA

PROJECT

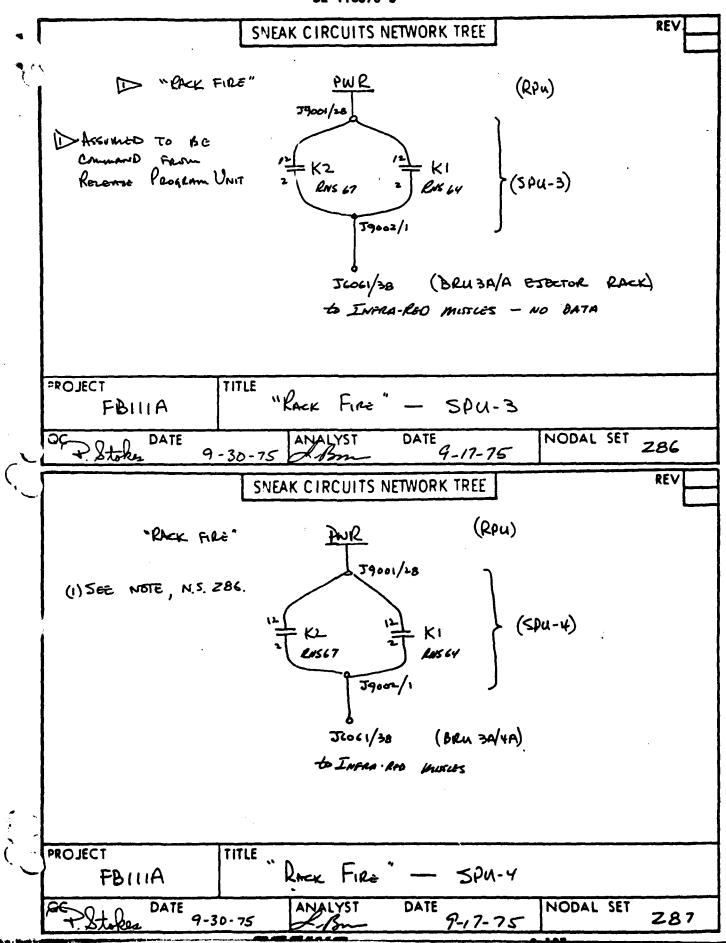
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MAU FIRE 1 - FIXED PLAN 6

OCTUBER DATE 9-30-75 ANALYST DATE 9-17-75 NODAL SET 281

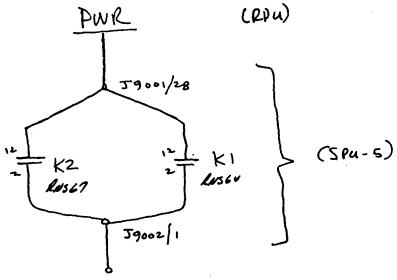
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	SNEAK CIRCUITS NETWORK TREE DWR "MAN FIRE T2/8 (RPU) T10/16 (300)	,
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	SNEAK CIRCUITS NETWORK TREE DWR "MAN FIRE T2/8 (RPN) T10/16 (308) T6022/36 (FIXEO	1" PYL 7)
	SNEAK CIRCUITS NETWORK TREE PUR "MAN FIRE T2/8 (RPU) T10/16 (300) T6022/36 (FIXEO	1" PYL 7)

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l	DING WOLL GOOT
	PWR "RACK FIRE"
	J3/1 (RPU) J10/17 (309) J6022/31 (FIXED PYL. 1)
	1 23/1 (KPU)
	\$ 510/17 (309)
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	PROJECT TITLE
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	FBILLA RACK FIRE" - FIXED PYLON 1
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	DWR "RACK FIRE" JS/2 (RPU) J6022/31 (FIXED PYL. 2) PROJECT TITLE
	DWR "RACK FIRE" JS/2 (RPU) J6022/31 (FIXED PYL. 2) PROJECT TITLE
	PWR "RACK FIRE" — FIXED PYLON Z PWR "RACK FIRE" — FIXED PYLON Z
	DWR "RACK FIRE" JS/2 (RPU) J6022/31 (FIXED PYL. 2) PROJECT TITLE



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" Rock FIRE"



J6061/38 (BR4 3A/A5)

(1) Sée NOTE D ON N.S. 286

FBILIA "RACK FIRE - SPU-5

OF STAROGE 9-30-75 ANALYST DATE 9-17-75 NODAL SET 288

REV

PWR/RPU

RACK FIRE

RPU

\$\frac{308}{308}\$
\$\frac{36}{14}\$

FIX PYL 6
\$\frac{360c6}{13}\$

FIX PYLON

NOT ANALYZED

FBIII-A
FIX PYLON 6, RACK FIRE

PRINCE

ANALYST, DATE
PRINCE

POPULATE

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PWR/RPU
RACK FIRE
RPU
30003/7
308
308
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FIX PYL 7
J6022/31
FIX PYLON
NOT ANALYZED

FBIII-A

FIX PYLON 7, RACK FIRE

PStoken P-30.75

ANALYST DATE
P. Vale 19-23-75

NODAL SET
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REV

PWR/RPU

I RACK FIRE

RPU = 0003/8

308

FIX PYL 8 26022/31

FIX PYLON NOT ANALYZED

FBIII-A

FIX PYLON 8, RACK FIRE

FIX PYLON 8, RACK FIRE

P. Vale Jr. 9-33-75

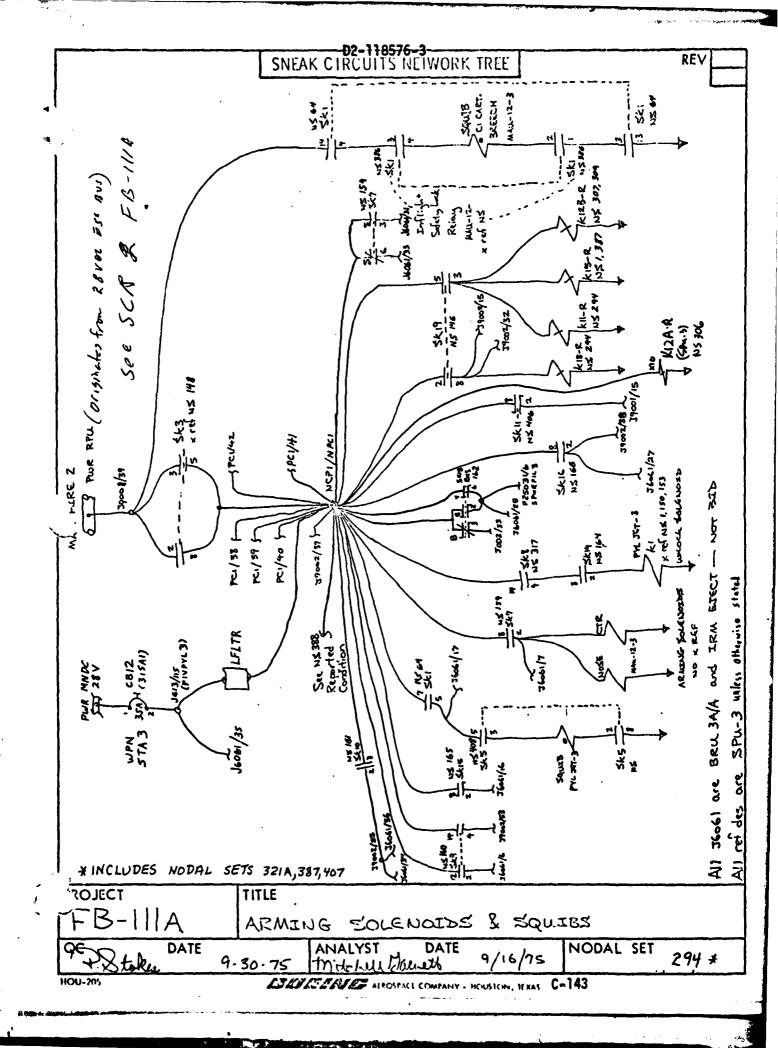
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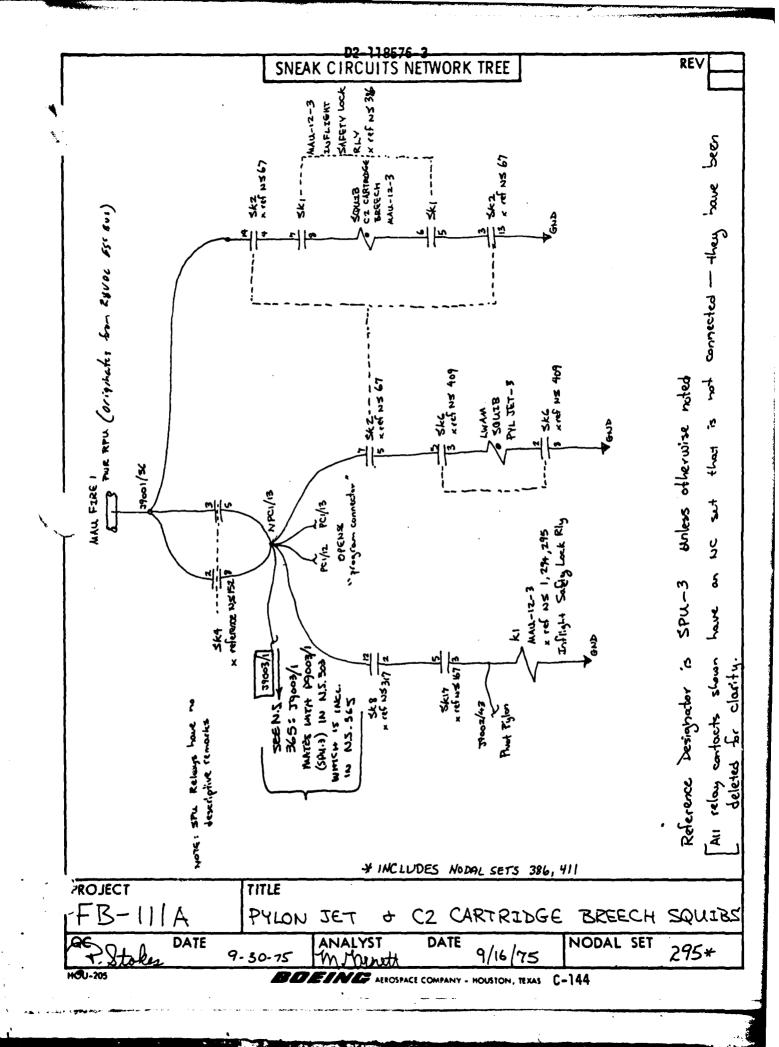
POLICE ARROSPACE COMPANY - HOUSTON, TEXAS C-141

141

SNEAK CHROUPS NETWORK TREE RPU MAY Fire 2 J0003/11 \$ 16022/29 FIX PYLZ PROJECT TITLE Manual Fire 2 FBIII-A ANALYST NODAL SET DATE DATE 292 9-30-75 J. Verges 9-23-75 SNEAK CIRCUITS NETWORK TREE MAU Fire ! 16022/36 J10/6 FRPYLZ PROJECT TITLE FBIII · A Manual Fire 1 DATE ANALYST DATE NODAL SET J. Yeiges 9-30-75 9-23-75 293 THE LOCALEGE SECTION CONTRACTOR C-142

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D2-118576-3
SNEAK CIRCUITS NETWORK TREE

SEE NODAL SET 381

TITLE ^ROJECT AMAC-6 FB-111A NODAL SET DATE 298 DATE QC 8-28-75

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-146 HOU-205

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

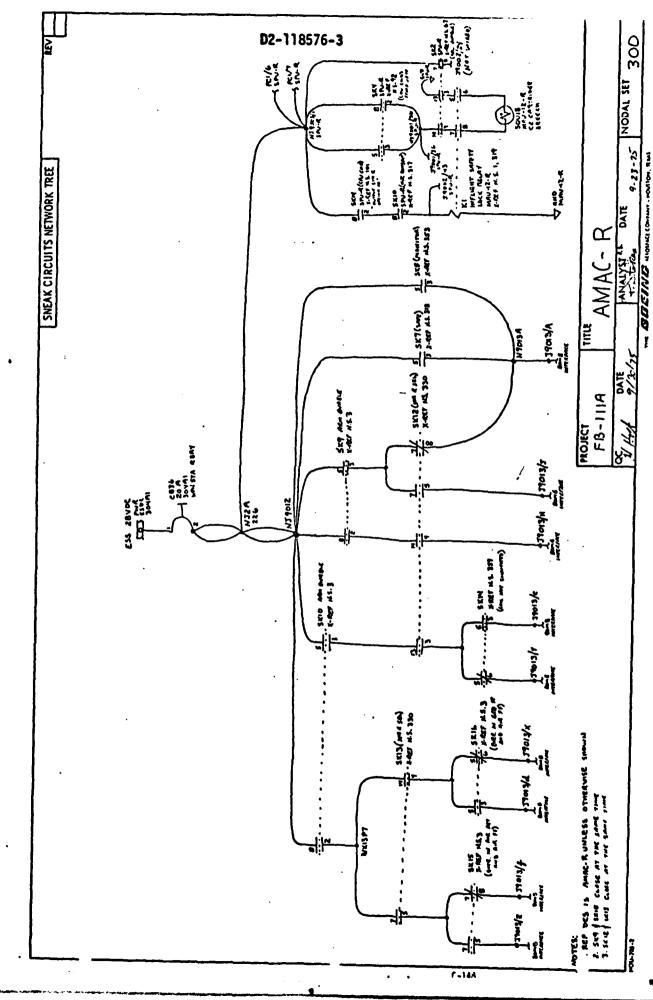
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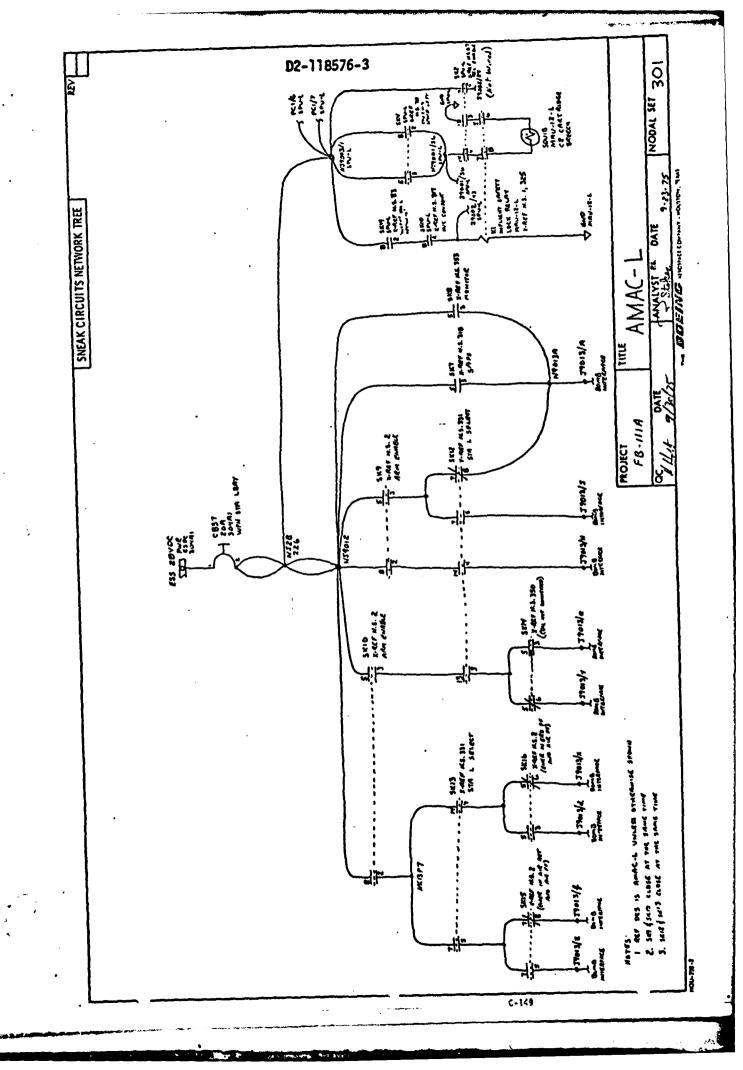
SEE NODAL SET 375

ROJECT FB-	IIIA	TITLE	AMAC-5			
QC	DATE		ANALYST - Stokes	DATE 8.28-75	NODAL SET	299

HOU-205

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-147





D2-118576-3

SNEAK CIRCUITS NETWORK TREE

SEE NODAL SET 370

ROJECT TITLE AMAC-4 FB-111A DATE QC DATE NODAL SET 302 8-28-75 HOU-205

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-150

D2-118576-3
SNEAK CIRCUITS NETWORK TREE

SEE NODAL SET 365

ROJECT FB-	IIA	TITLE	AMAC-3			
QC	DATE		ANALYSI	DATE 8-28-75	NOL SET	303
HOU-205			TERMINE.			

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SNEAK CIRCUITS NETWORK TREE

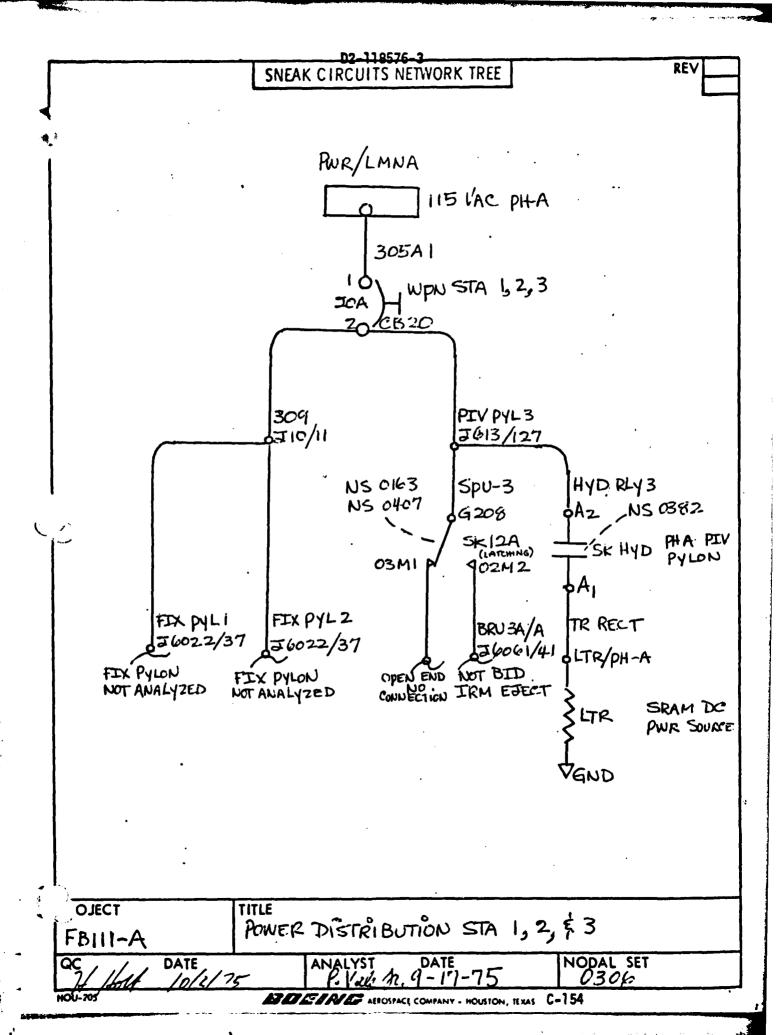
Essential 28 voc Power CB4 B' 20 AMP 31001/2

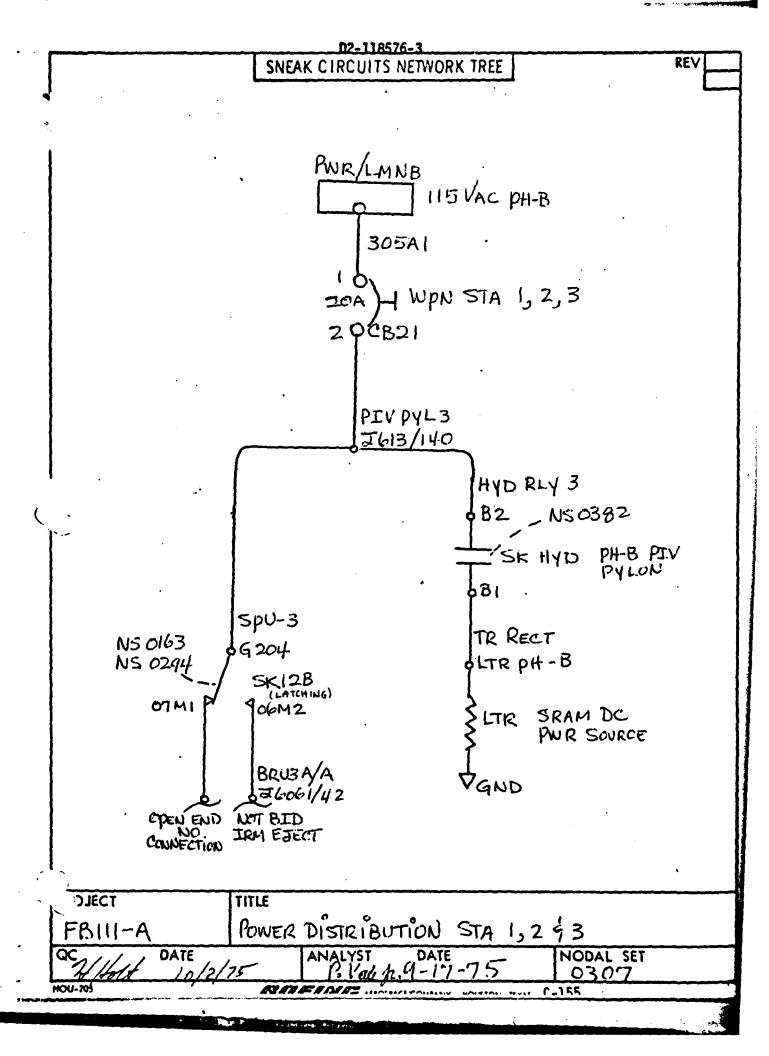
	9-30-75						_
FB-IIIA GC DATE PStake	EZS	28VDC	. T	0	CPU		

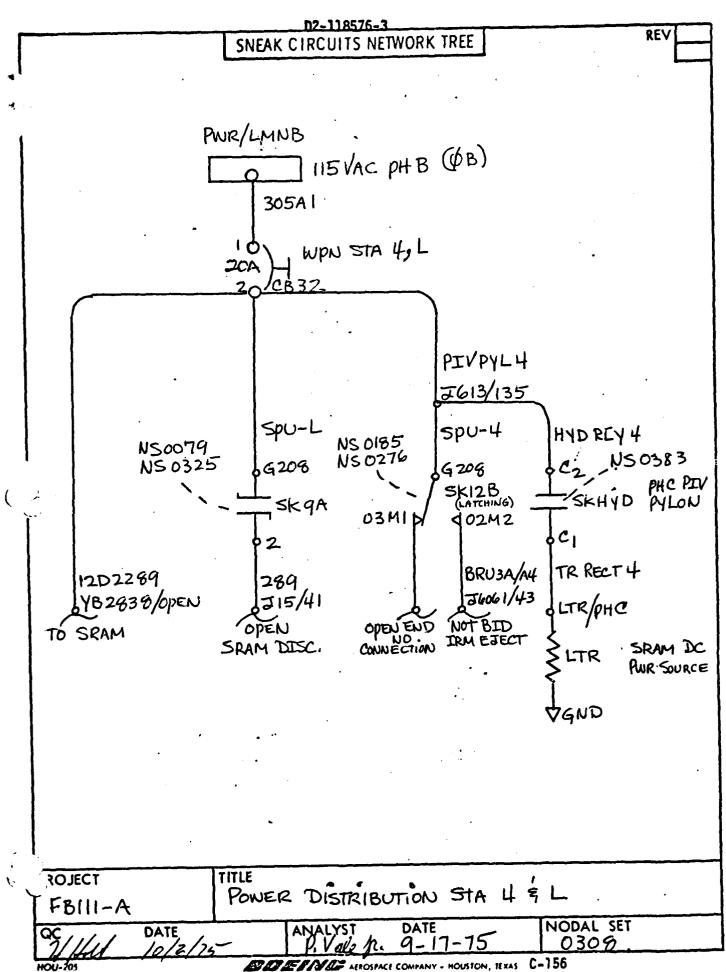
DESING AEROSPACE COMPANY - HOUSTON, TEXAS C=152

D2-118576-3 SNEAK CIRCUITS NEIWORK TREE PUR/LMNA 115 VAC PH-A 305A 1 WPN STA 4, L 20A PIV PYL 4 J613/140 HYD RLY 4 Spu-4 Spu-L NS 0185 NS 0079 BZ NS 0383 G201 69208 NS0276 NS 0325 SK12B (LATCHING) SK HYD PHB PIV SK9B PY LON 406M2 MIMPO d B1 2 BRU 3A/A4 12D2289 289 TR RECT 4 J6061/42 YB2836/OPEN J15/43 LTR/PH-B OPEN SRAM DISC. OPEN END NOT BID CONNECTION IRM EJE TO SRAM IRM EJECT LTR SRAM DC PWR SOURCE **VGND** PROJECT TITLE POWER DISTRIBUTION STA 4 & L FBIII-A DATE NODAL SET DATE

1/2







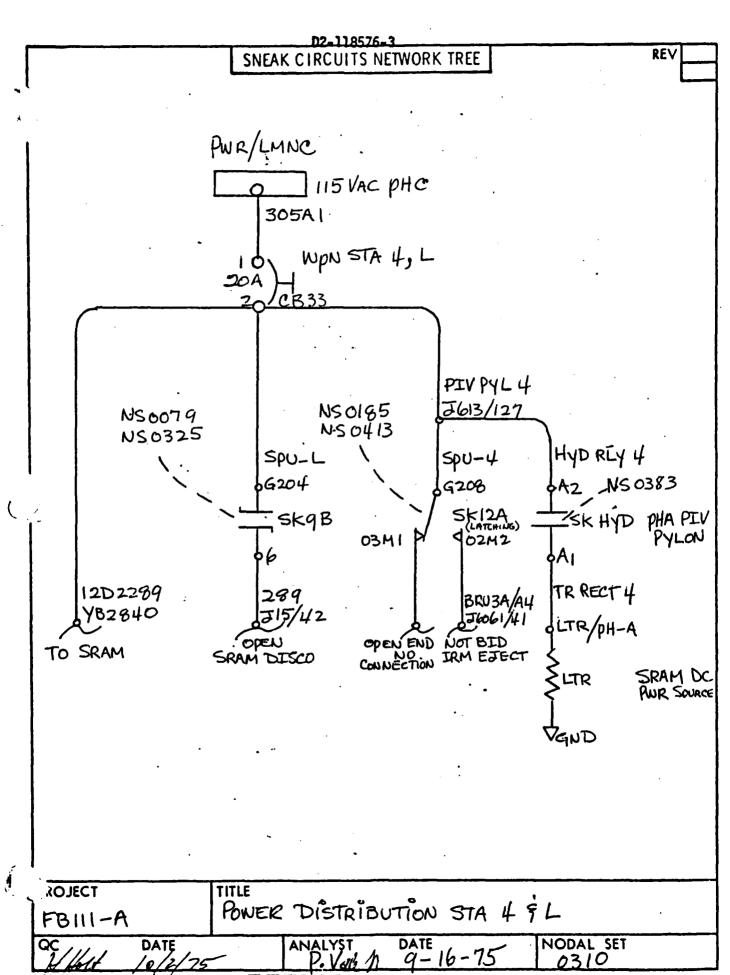
11/16/1000-1000

FBIII-A POWER DISTRIBUTION STA. 1, 2, \$3

QC DATE ANALYST DATE NODAL SET 0309

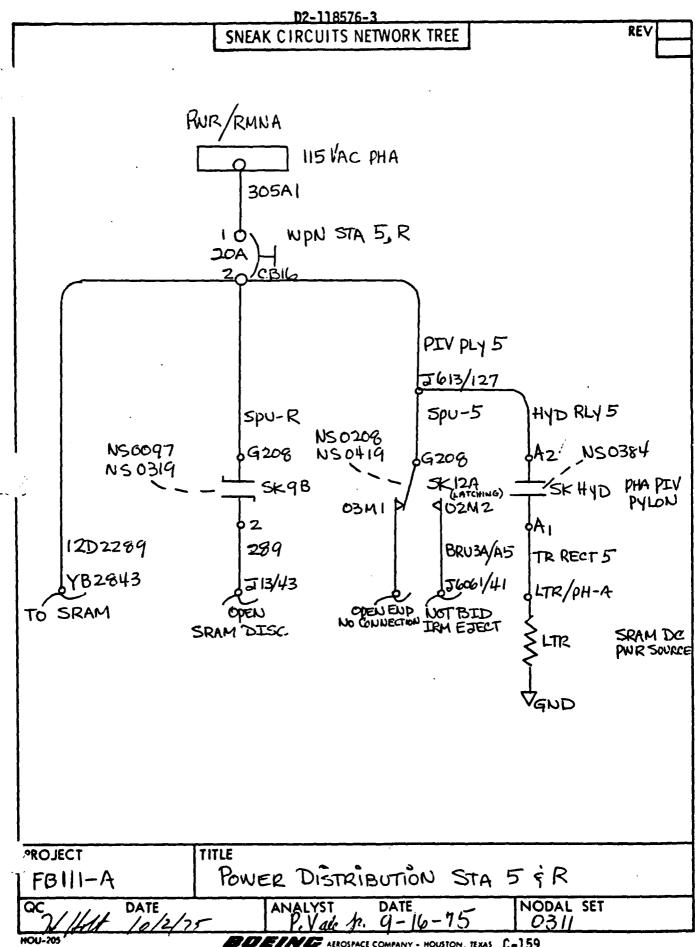
OU-205 BOSEINS ASSOCIATE CONSTRUCT SERVER C-157

OPEN END NOT BILD CONNECTION IRM EJECT



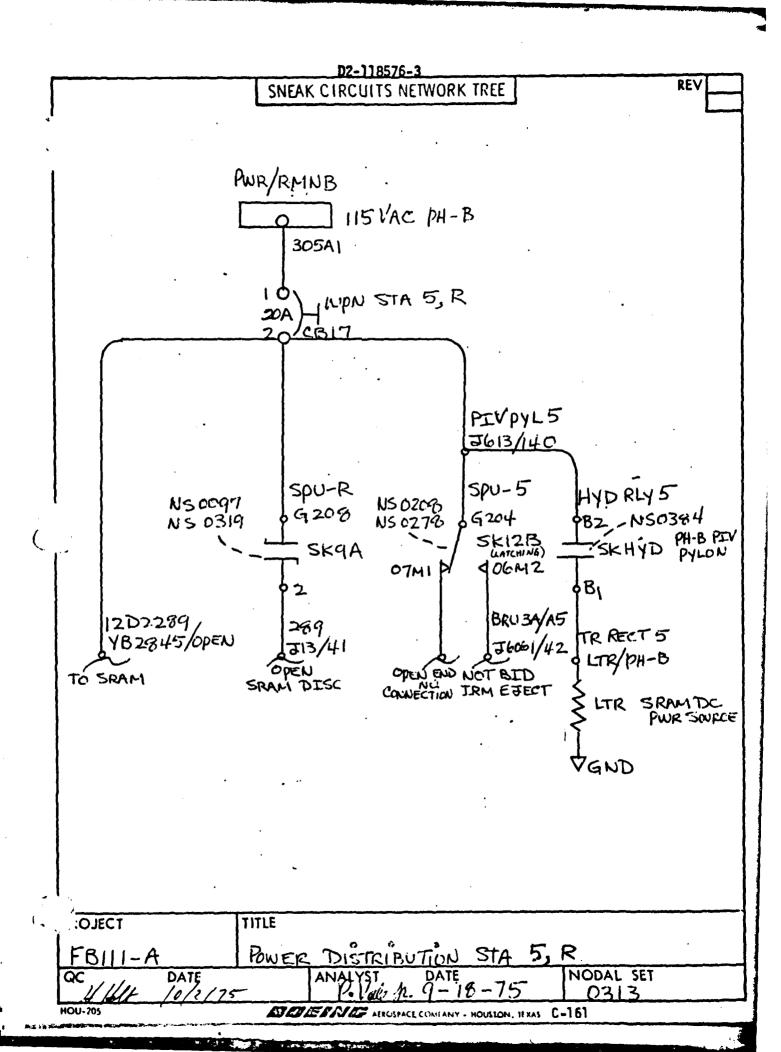
IOU=205

BUSING AEROSPACE COMPANY - HOUSTON, TEXAS C-158

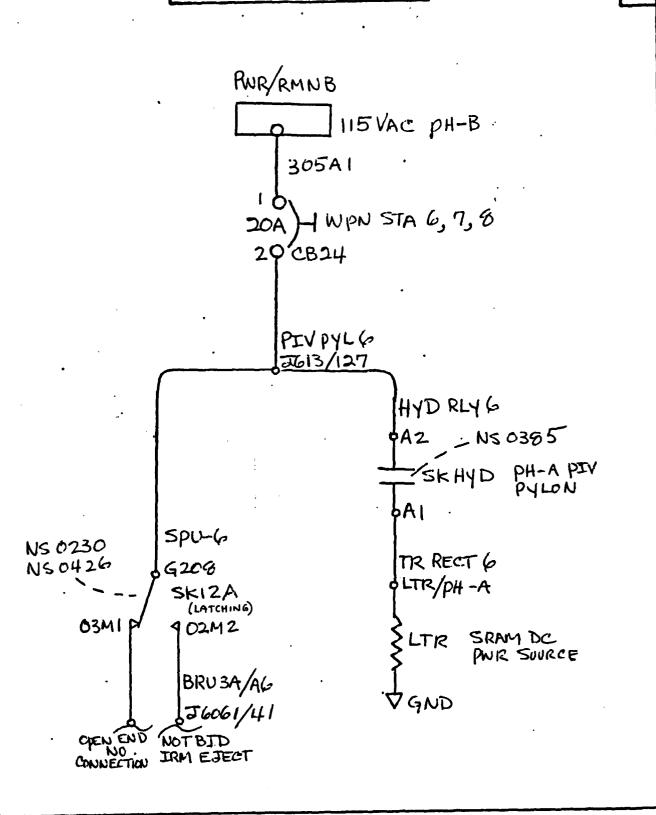


AEROSPACE COMPANY - HOUSTON, TEXAS C-159

D2-118576-3 REV SNEAK CIRCUITS NETWORK TREE PUR/RMNA 115 VAC PHA 305A1 WPN STA 6, 7,8 20A PIV PYL6 308 जा0/11 J613/135 HYD RLY 6 Spu-6 NS 0230 dez NS0385 69208 NS 0424 5612B (LATCHING) 402M2 ZSKHYD PHC PIV 63MI PYLON фC, BRUSA/AG TR RECT G FIX PYL 7 FIX PYL8 16022/37 36022/37 J6661/43 OLTR/C SRAM DC FIX PYLON FIX PYLON OPEN END NOT BID NOT ANALYZED NO CONNECTION IRM EJECT PWR Sorre \$LTR VGND PROJECT POWER DISTRIBUTION STA 6,7, \$ 8 FBIII-A DATE NODAL SET AEROSPACE COMPANY - HOUSTON, TEXAS C-160



REV



SJECT FRILL-A	FITLE	ER DISTRIBUTIO	N STA 6,7,48	
QC)////	DATE 10/2/75	ANALYST DA	TE NODAL !	SET
MOUL-205	MA	FURTRALES .	0 100	

D2-118576-3 REV SNEAK CIRCUITS NETWORK TREE PWR/RMNC 115VAC PH-C 305A1 I WPN STA 5, R PIVPYL5 J613/135 HYD RLY 5 Spu-R Spu-5 NS 0208 NS 0097 102 NS 0384 G204 NS 0278 G 20% NS 0319 SK HYD PHE PIV SKI2B (LATCHING) SK9B 402M2 O3MI P 101

TR RECT 5

LTR SRAM DC

PWR SOURCE

LTR/C

DAND

12D2289, BRU3/A5 289 J13/42 YB2847/OPEN J6061/43 OPEN END NOT BID OPEN CONNECTION IRM EFECT SRAM DISC

TO SRAM

PROJECT TITLE POWER DISTRIBUTION STA SER FBIII-F DATE NODAL SET ANALYST DATE 1. Vale h. 4-18-75 0315

J613/140

9B2 - NS 0385 ISKHYD PH-B PIV 6B1 SPU-6 NS 0230 TR RECT 6 9204 NS 04 24 OLTR/PH-B SK12B (LATCHING) 07141 906M2 LTR BRU3A/A6

SRAM DC PWR SOURCE VGND

PYLON

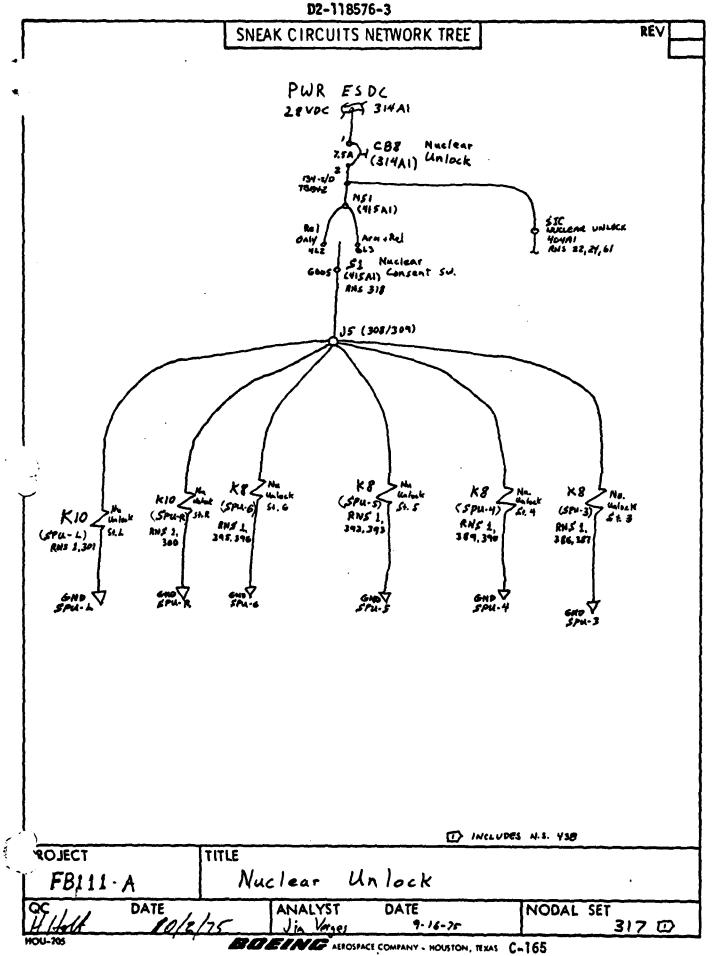
HYD RLY 6

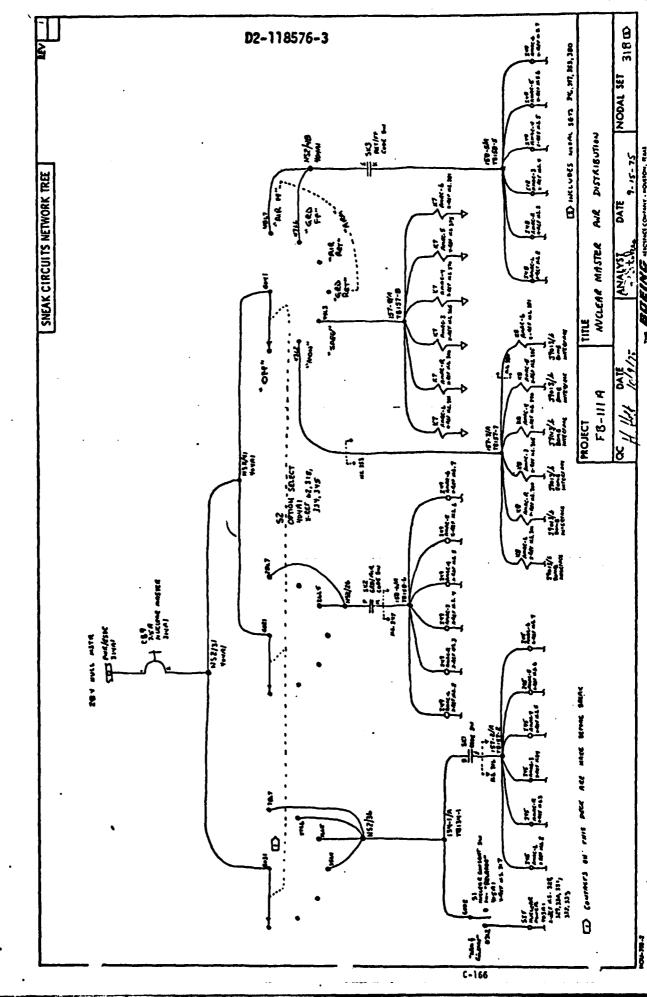
SJECT TITLE POWER DISTRIBUTION STA 6,7 &8 DATE NODAL SET

J6061/42

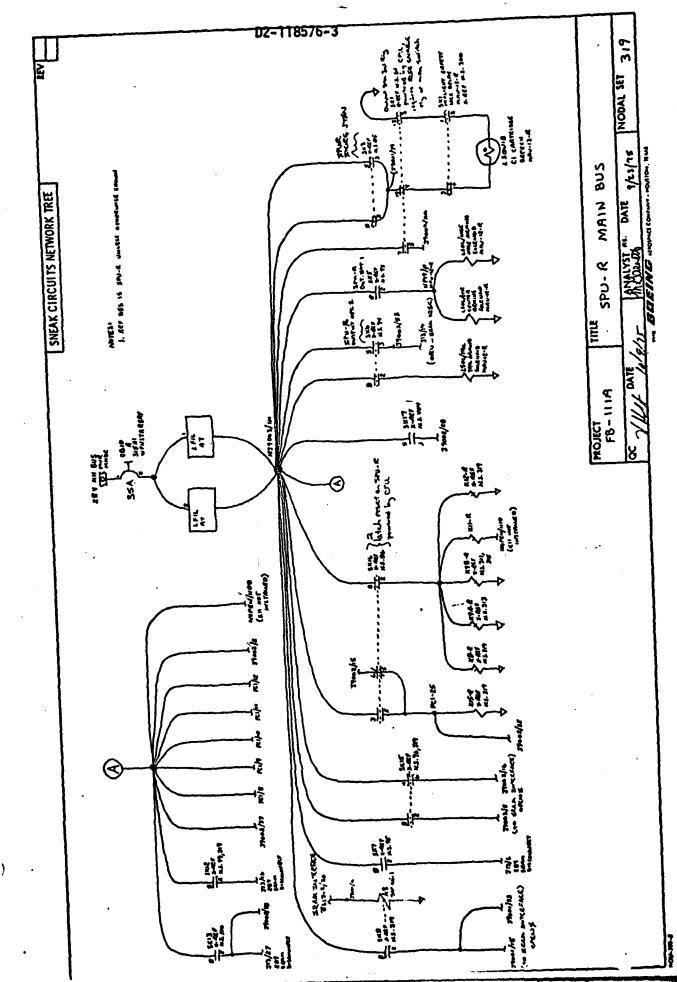
CHEN END NOT BID

ON IRM EDECT





. .



REV

PWR/MNDC 28 VOC MN BUS 315A1 15A) H WPU STA 1 29 CB11 FIX PYL1 J6022/26 FIX PYLON NOT ANALYZED

ROJECT POWER DISTRIBUTION STA 1 NODAL SET DATE /2/75

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS

SNEAK CIRCUITS NETWORK TREE . See Nodal set 294

PROJECT TITLE

DATE

ANALYST

DATE

NODAL SET

BOUERRIE ALROSTACE COMPANY - HOUSTON, TEXAS C-169.

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

See Nodal Set 276

ROJECT TITLE NODAL SE! QC DATE HOU-705

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

See Nodal Set 278

TITLE ROJECT

DATE QC

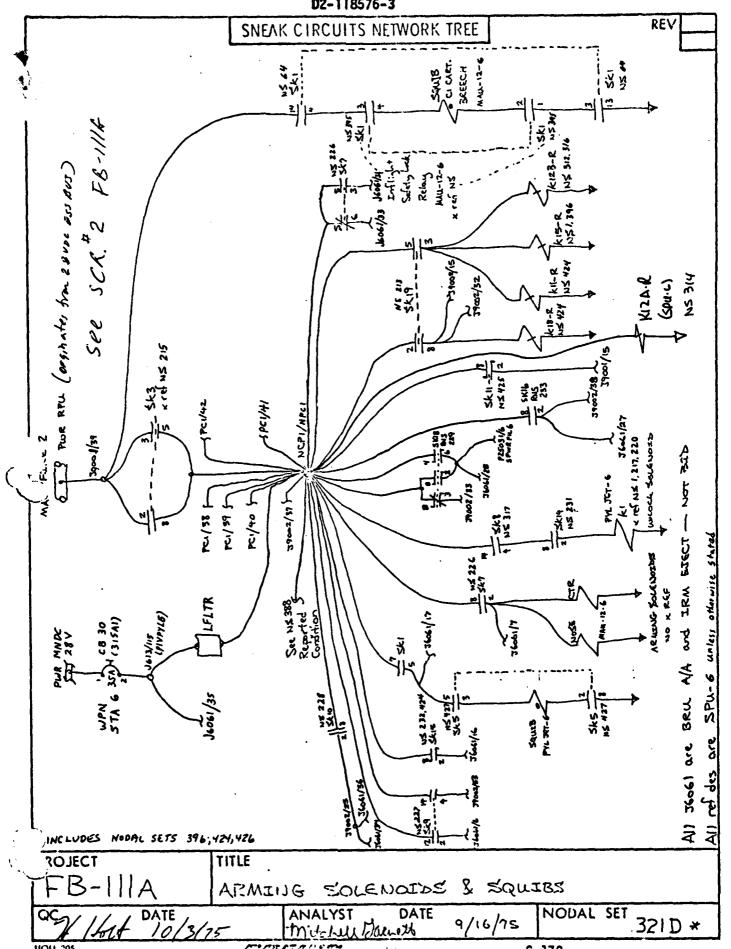
ANALYST

DATE

NODAL SET

HOU-205

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-171



REV

PWR/MNDC

28VDC MN BUS

315A1

10

15A H WPN STA 7

20CBIH

FIX PYL7

J6022/26

OPEN

FIX PYLON

NOT ANALYZED

ROJECT	TITLE	
FBIII-A	POWER DISTRIBUTION STA 7	7
QC DATE	ANALYST DATE P. Val. h. 9-18-75	NODAL SET
Y 14/12 10/6/ ()		

REV

PWR/MNDC

28 VDC MN BUS

315A1

10

15A

HWPN STA 2

20CB28

FIX PYL 2

J6022/26

FIX PYLON
NOT ANALYZED

FBIII-A POWER DISTRIBUTION STA 2

OC DATE ANALYST DATE NODAL SET PLANE 18. 9-18-75 0323

REV

PUR/MNDC

28VDC MN BUS

315A I

10

15A H WPN STA 8

20CB31

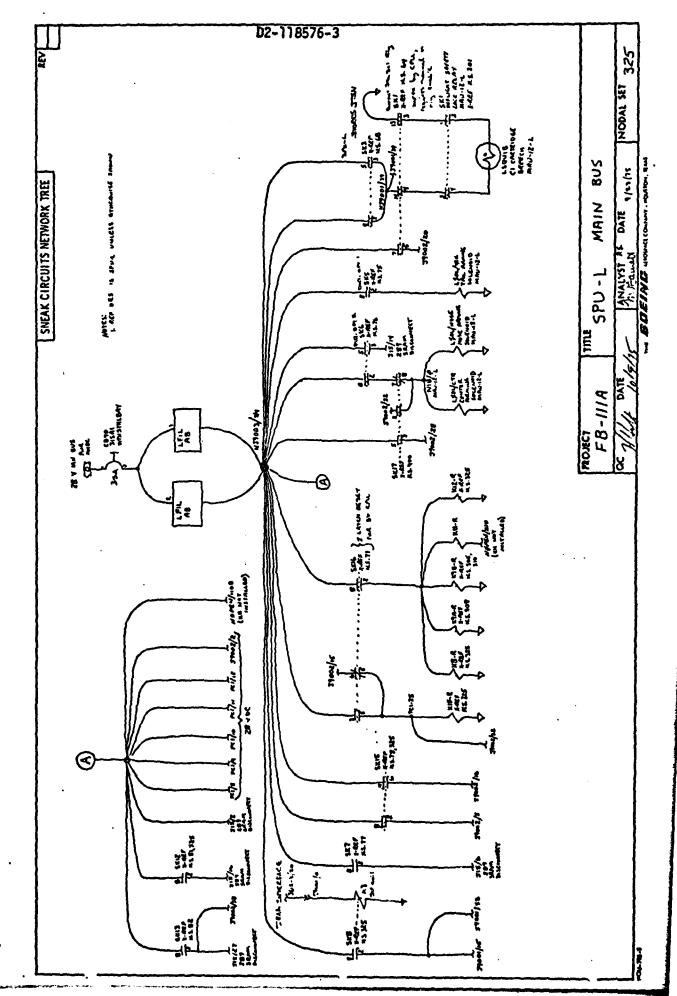
FIX PYL8

36022/26

FIX PYLON
NOT ANALYZED

FBILI-A POWER DISTRIBUTION STA. 8.

QC DATE ANALYST DATE NODAL SET 16/2/25 P. Vale pt. 9-19-75 0324



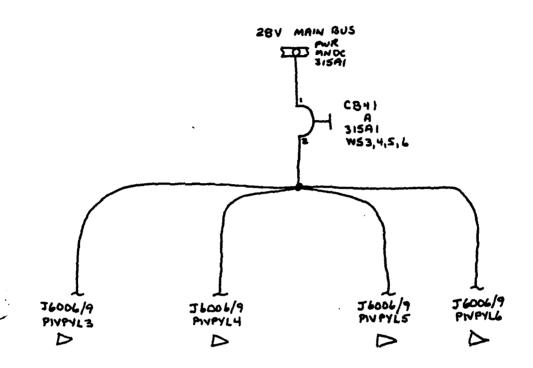
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3.0

7

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REV



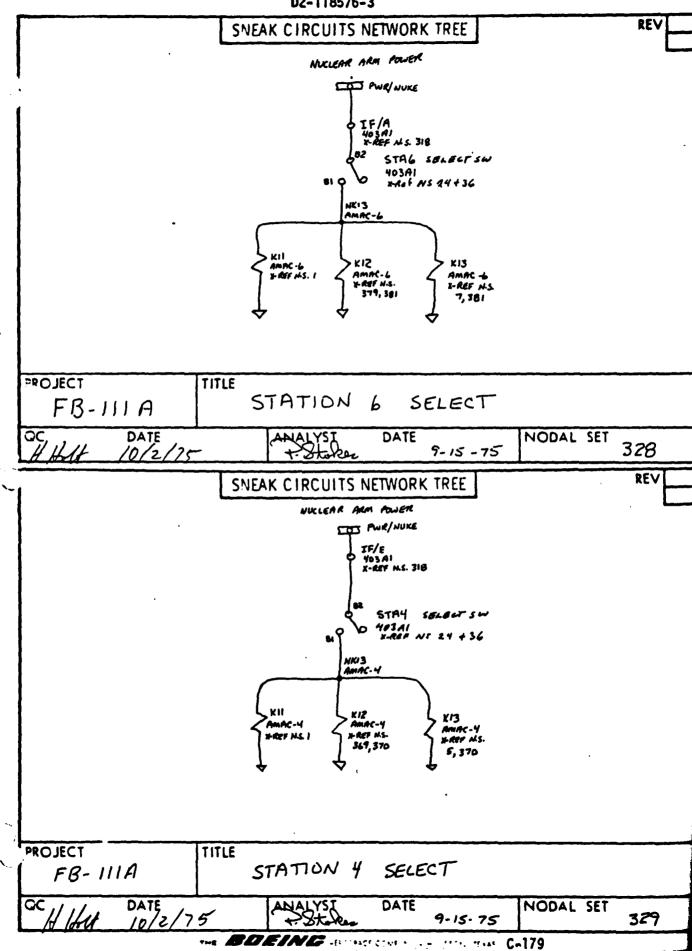
Not wired within the pylons

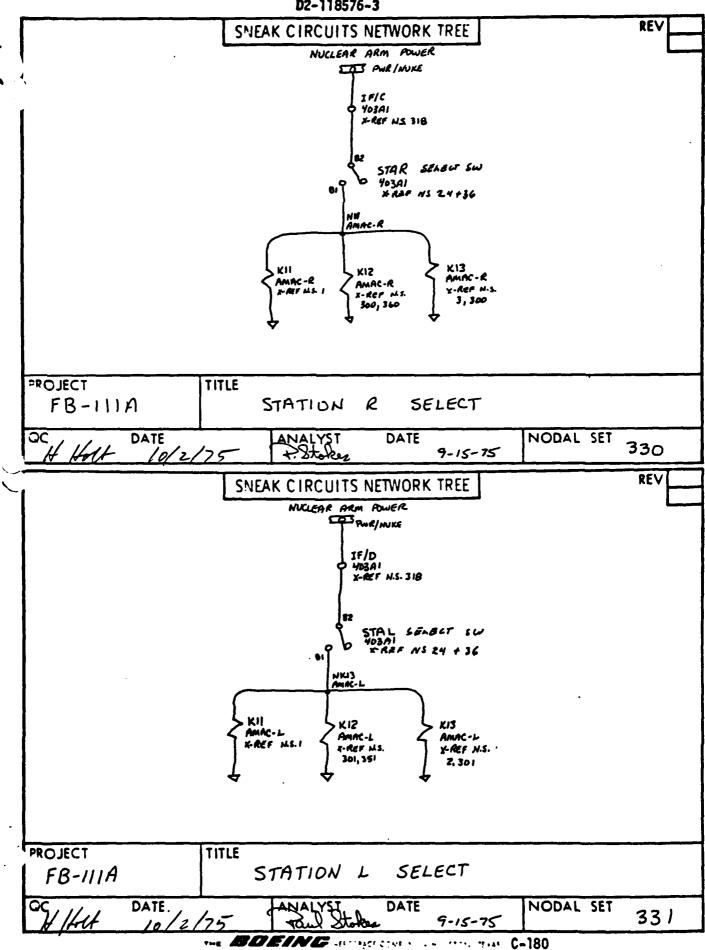
ROJECT FB-11	2	TITLE	PYLON	MAIN	POWER		
29/1/1	DATE 10/2/2	5	ANALYST	P.S. DATE	9-23-75	NODAL SET 3	26
HOLL-205		-	MELALIN			<u> </u>	

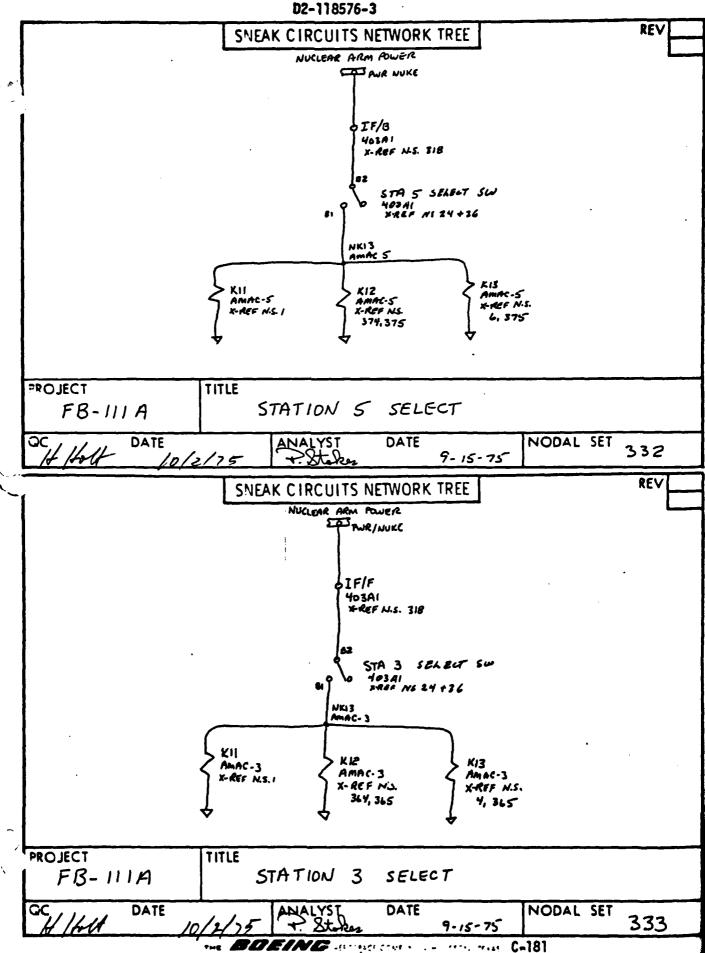
AEROSPACE COMPANY - HOUSTON, TEXAS C-177

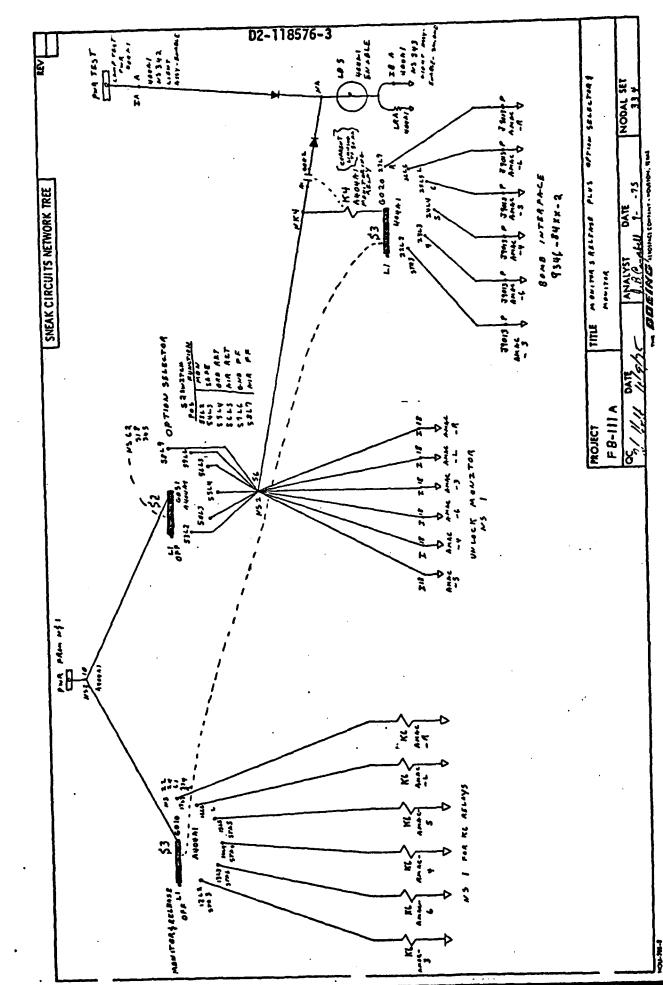
PWR/MNDC
28 VDC MN BUS
315Al
20A)-1 CPU A
сри = 1001/1 сри NОТ
BID

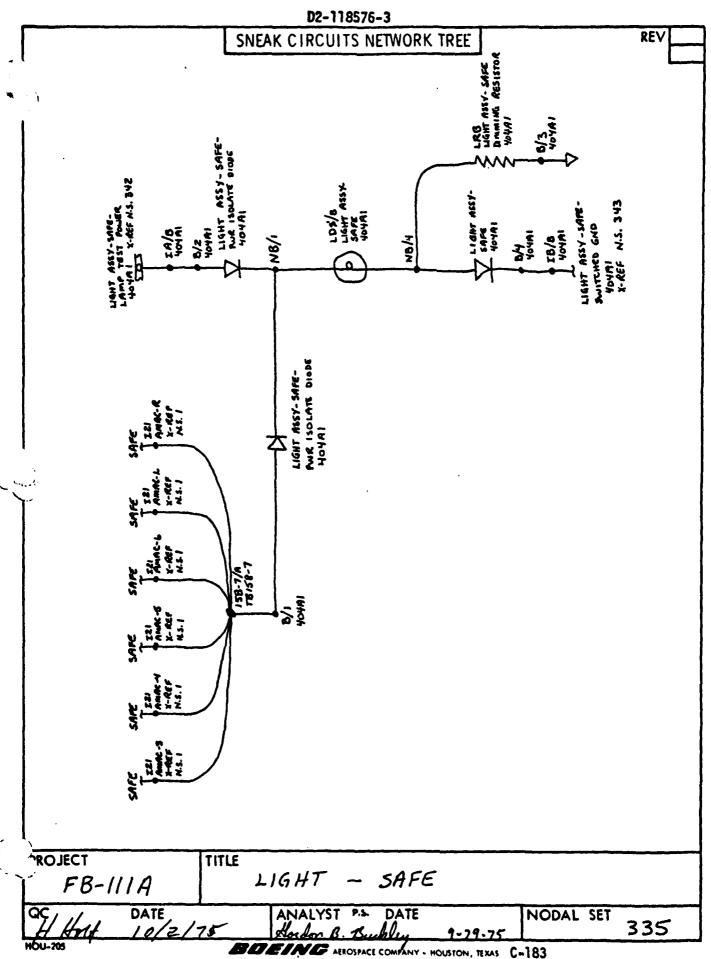
OJECT	TITLE
FBIII-A	POWER DISTRIBUTION CPU STA A
QC DATE	125 P. Valle J. 9-18-75 NODAL SET
11OU-205	ANATIFICATE ANAMA COMMAND MARKON MARK C-179



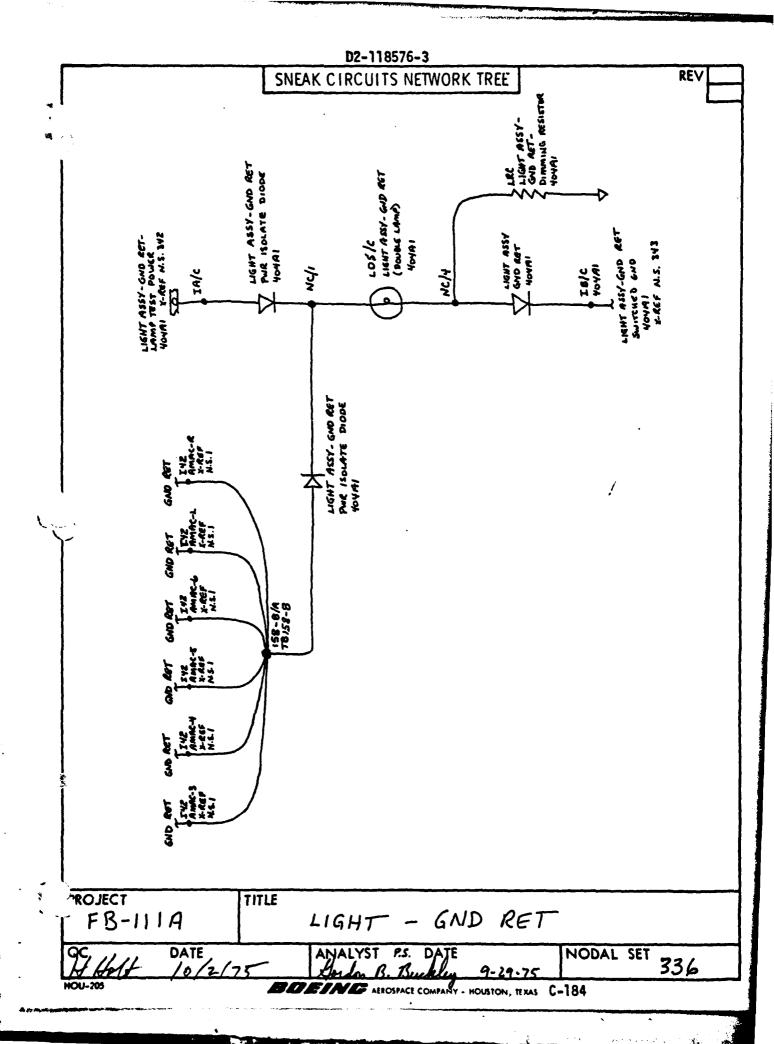


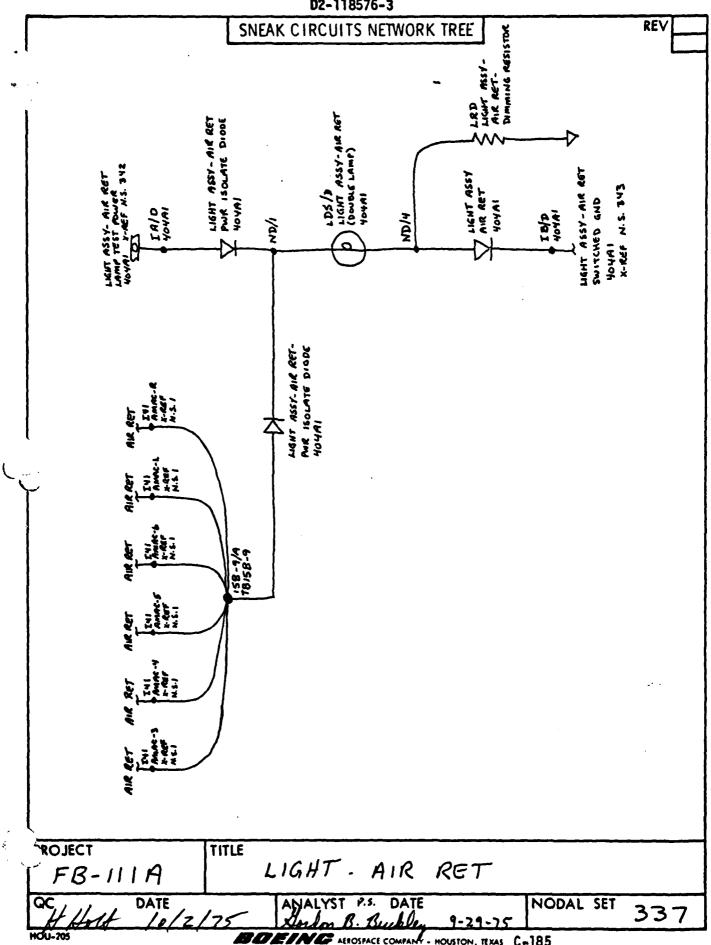


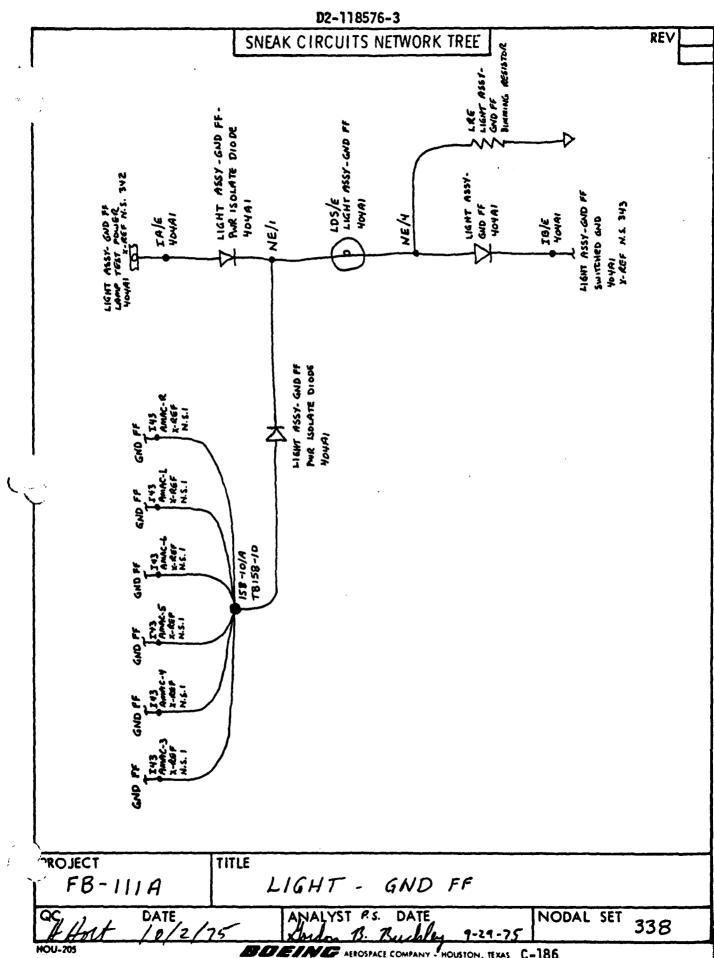


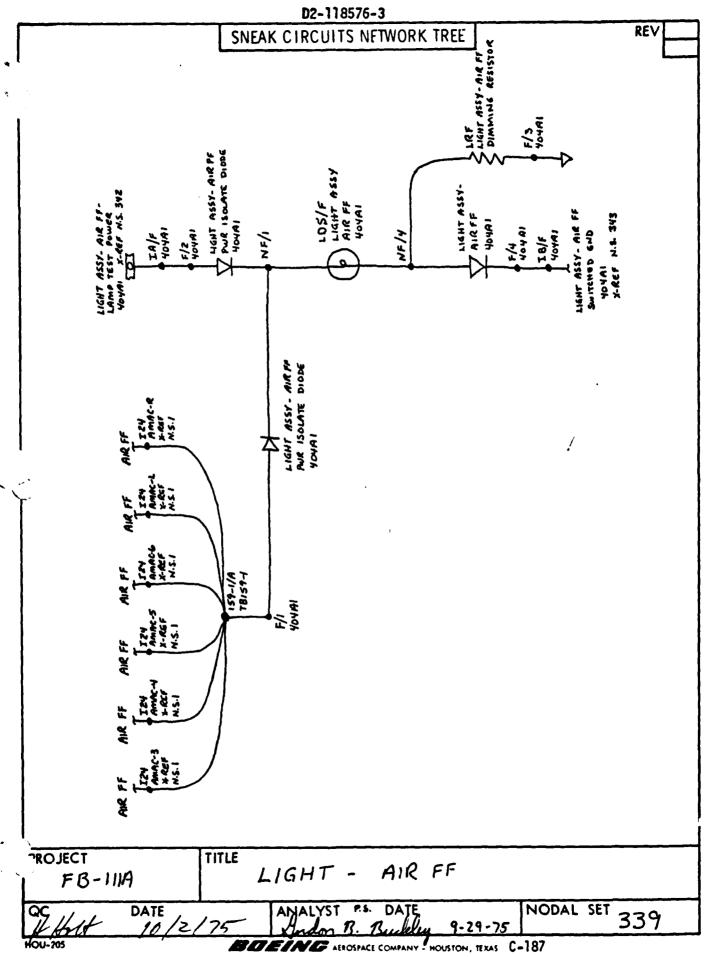


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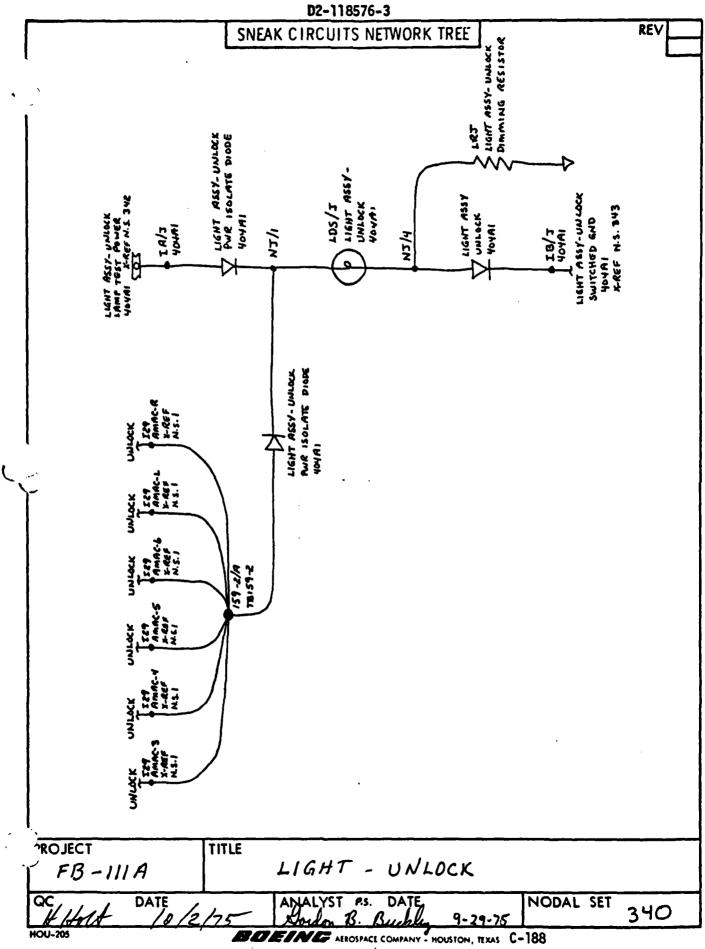


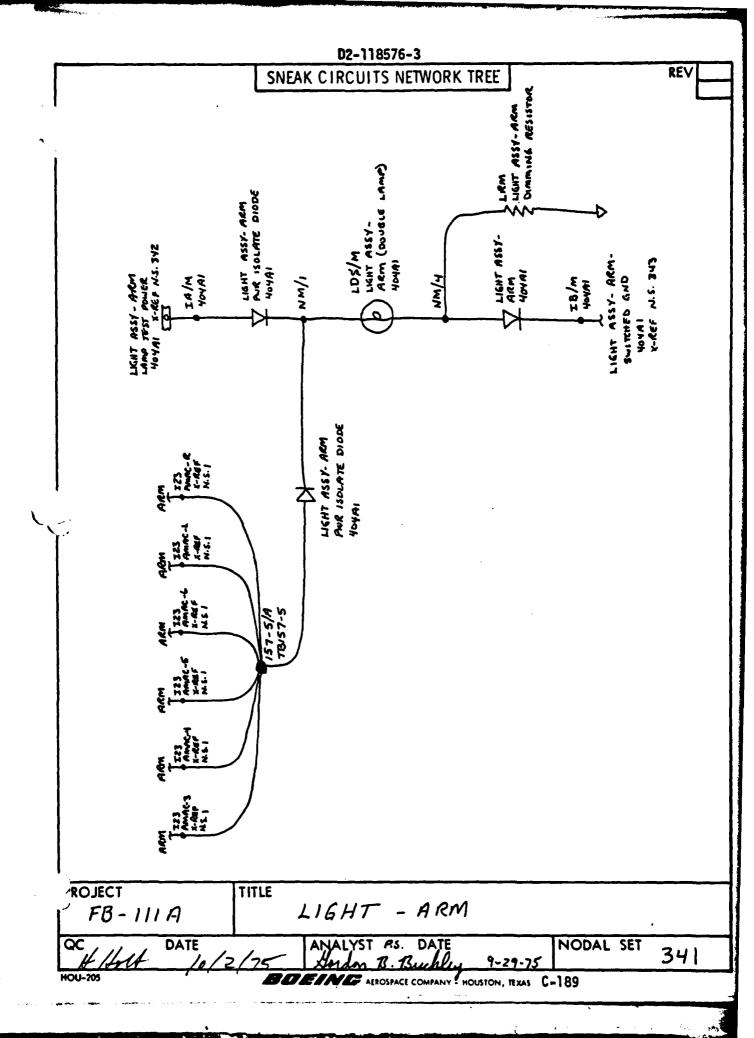






BOEING AEROSPACE CO HOUSTON TX F/6 15/6 ELECTRICAL ANALYSIS OF B-82/FB-111 AMAC AND RELEASE CIRCUITRY U--ETC(U) OCT 75 F29601-76-C-0017 D2-118576-3 AD-A103 953 UNCLASSIFIED 3.4





REV

PWR/TEST

404A1 31/M

LAMP TEST POWER

IAtot AIZ X REFERENCE: NS 334 through NS 341

VSTOP

ROJECT TITLE

FB-111A LAMP TEST POWER

OC DATE ANALYST DATE 9/22/75 NODAL SET 342

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-190

SNFAK	CIRCI	UITS	NETWORK	TREE
71111111	0,110		1161110111	,,,,

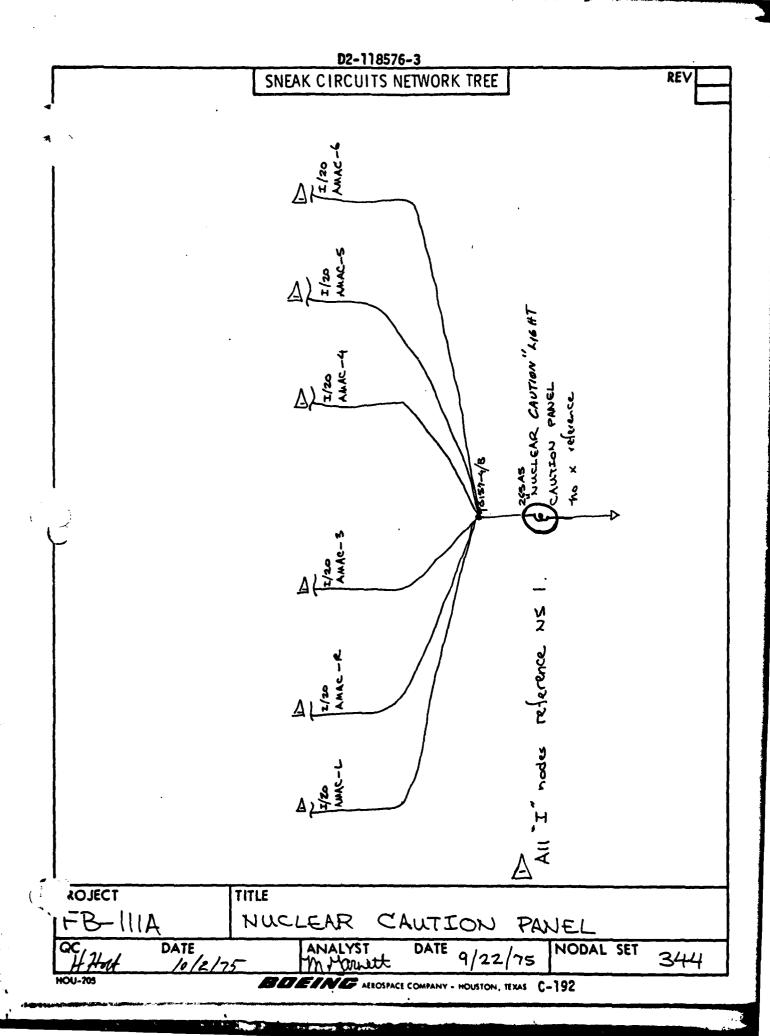
REV

Suitched GND × reference: NS 334 -> NS 341

∜≾τορ

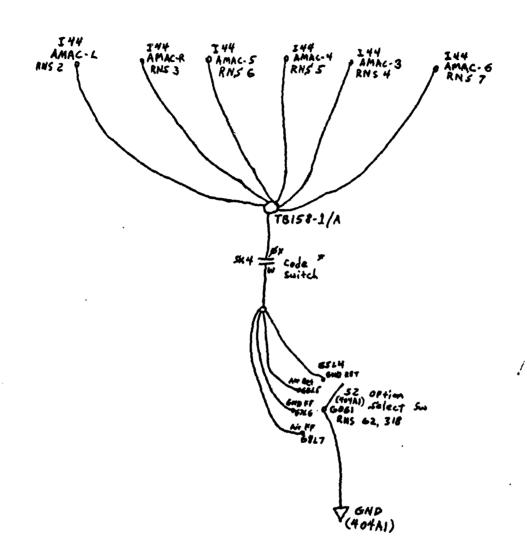
QC DATE	LANALYST DATE , INODAL SET	343
ROJECT FB-111A	SW GND, LAMP DIMMER	

U-205 BUEING ARROSPACE COMPANY - HOUSTON, YEXAS C-19



SNEAK CIRCUITS NETWORK TREE

REV



To Code Enabling Switch to ARM Muslear Weapon.

	ROJECT		TITLE		,	
•	FB11	1 - A	OPTION Select			
	X14st	DATE 10/9/75	ANALYST Despes	DATE 9-15-75	NODAL SET	
	HOU-205		BITEIN'S			

J-205 AEROSPACE COMPANY - HOUSTON, TEXAS C-193

See Nodal Set 318

JECT TITLE FB111-A QC DATE ANALYST DATE NODAL SET 346

RE\

See Nodal Set 318

DJECT

TITLE

FB 111-A

QC DAT

ANALYST

DATE

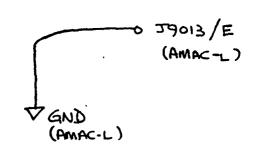
NODAL SET

~ 1AF

347

SNEAK CIRCUITS NETWORK TREE

REV



GROUND FROM AMAC TO WEAPON INTERFACE.

PROJECT TITLE AMAC - L GROUND TO WEAPON

OC DATE ANALYST DATE 9-18-75 NODAL SET 348

SNEAK CIRCUITS NETWORK TREE

REV

(AMAC-L) (AMAC-L)

GROUND FROM AMAC TO WEAPON INTERFACE.

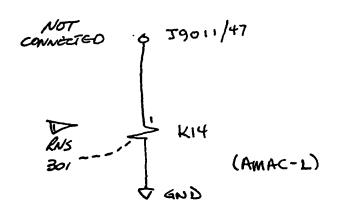
PROJECT TITLE
AMAC-L GIROUNIS TO WEARON

OC DATE ANALYST DATE 9-18-75 NODAL SET 349

HOU-705

FERNIE ALBERTANIC COMMENTS SEVAL C

REV



D THIS COIL IS NOT USED: REF. NODAL SETS CONTAIN CONTACTS THAT WILL NOT BE SWITCHED.

PROJECT TITLE

UNUSED KI4 - AMAC - L

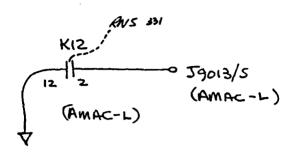
OC DATE

+ Stokes 9-23-75 ANALYST DATE

9-18-75 NODAL SET

3-50

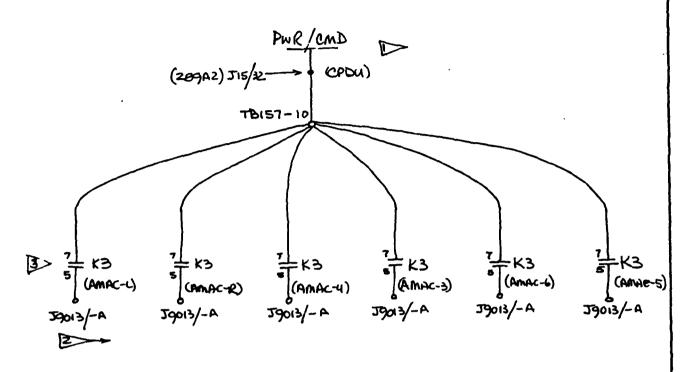
BUEING ALROSPACE COMPANY - HOUSTON, TEXAS C-198



"AMAC-L SPU STATION SELECT" DICUB UP WEAPON WHEN SWITCHES GND INTO and "OPTION SELECT" SWX, IS IN M "ARM" POSITION AND "NUCLEAR CONSENT" SWX. IN "ARM ! RECEASE" 15 POSITION.

ROJECT TITLE AMAC- L "STATION L SCIERT" FBIIIA DATE DATE NODAL SET 351 9-18-75

REV



D'Command FROM CONTRAN PROCESSOR & DISTRIBUTOR UNIT:

≥ J9013'S ARE AT SRAM INTERFACE

B FOR ALL K3's, CGF. N.S. (

1 FBIIIA		SAF	CLASS	Ш	Cmb.	- UP	
QC DATE 9/29/25	·	ANA	Br	DATE 9-	-16-75	NODAL SET	35z

THE BUEING ACROSPACE COMPANY - HOUSTON, TEXAS C-200

REV

See Nodal Set 318

JECT

TITLE

FBIII A

QC DATE

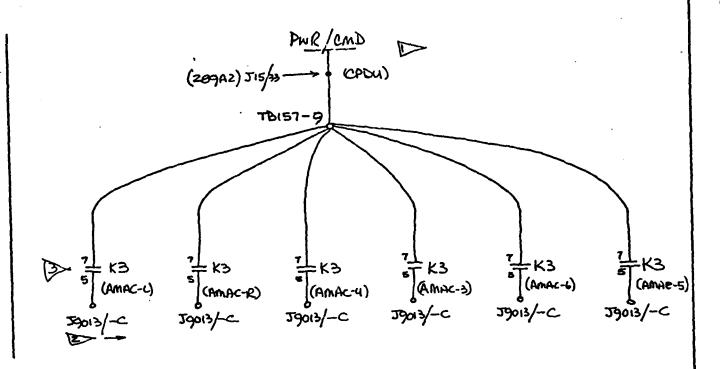
ANALYST

DATE

NODAL SET

353

REV



D'Command FROM CENTRAL PROCESSOR & DISTRIBUTOR UNIT: "SOF CLOSS III CMO-DW".

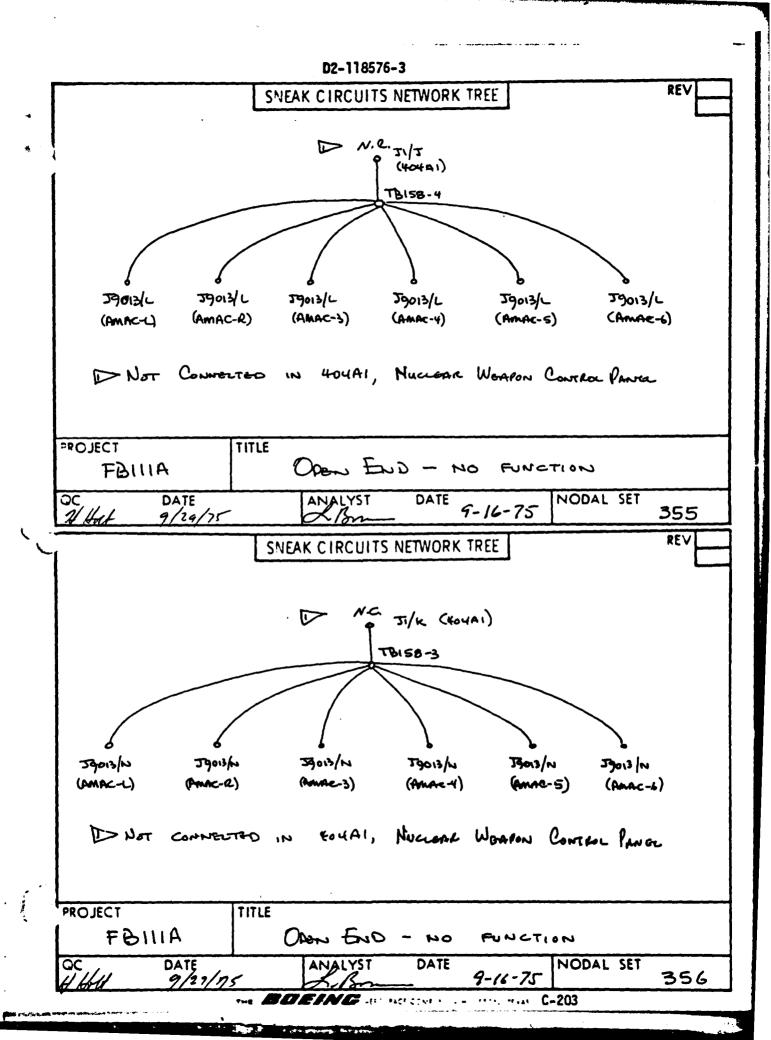
\$ 19013's ARE AT SRAM INTERFACE

3 For Au K3's , Rif. N.S. 1.

DJECT TITLE SAF CLASS TIT CMD. - DOWN

OC DATE ANALYST DATE 9-16-75 NODAL SET 354

HUH!" JUK



D2-118576-3 SNEAK CIRCUITS NETWORK TREE

• 79013 /E (AMAC-R) ♥GND (AMAC-R)

GROUND AMAC

PROJECT TITLE AMAC-R GROUND TO WEAPON FBIIIA NODAL SET DATE 9/27/75 DATE 357 8-18-75

AERCISPACE COMPANY - HOLISTON, TEXAS C-204

SNEAK CIRCUITS NETWORK TREE

REV

GND (AMACR)

GROUND FROM AMAC TO WEARON INTERFACE.

PROJECT TITLE AMAC-R GROUND TO WEAPON

QC DATE ANALYST DATE 9-18-75 NODAL SET 358

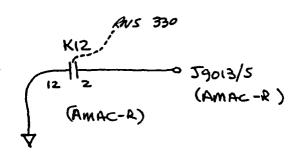
WHAT 9/29/25 CALIFORNIA C-205

HCM1-7

OPEN END NO CONNECTION 95901/47 AMAC-R K14 D NS 0300, **GND**

D This coil is not used. Ref nodal set Contains contacts that will not be switched

•	PROJECT -BIII-A	AMAC-R	
	QC DATE 9/29/75	- ANALYST M. DATE 9-26-75 NODAL SET 0359	
	HOU-201	BOSING	



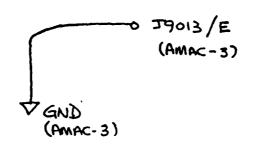
"AMAC-R SPU STATION SELECT" DICKS UP KIZ WEAPON WHEN SWITCHES GND INTO "OPTION SELECT" SWK. IS IN AN "ARM" POSITION AND "NUCLEAR CONSENT" SWX. IS IN "ARM & RELEASO" Position.

ROJECT TITLE AMAC-R "STATION R SCIET" FBIIIA NODAL SET DAJE 9/29/75 DATE 340 4-18-75

BUELING APPOSTAGE COMPANY - HORSTON, TEXAS C-207

D2-118576-3
SNEAK CIRCUITS NETWORK TREE

REV



AMAC

AMAC-3 GROUND PROJECT TO WEAPON. FBIIIA DATE 9/29/75 DATE NODAL SET

SNEAK CIRCUITS NETWORK TREE

REV

(AMAC-3) (AMAC-3)

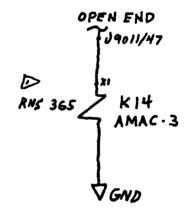
COME SOM AMAC TO WEARON INTERFACE.

ROJECT TITLE
AMAC-3 GROUND TO WEAPON

QC DATE ANALYST DATE 9-18-15 NODAL SET 362

-205 PRINE PARTE ASSESSED COMPANY MOINTON TEVAL C-200

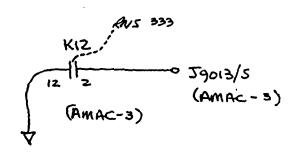
REV



D This coil is not used. Ret natal set contains contacts that will not be switched.

•			المرابعة ويستان والمراوي والمراوية والمراوية والمراوية والمراوية والمراوية والمراوية والمراوية والمراوية والمراوية
ROJECT	TITLE	1	
FBIII-A	AMAC-3	:	
QC LLL DATE	175 J. Verzes	DATE 9-25-75	NODAL SET 363
HOU-205		ICE COMPANY - HOUSTON, TEXAS	C-210

180

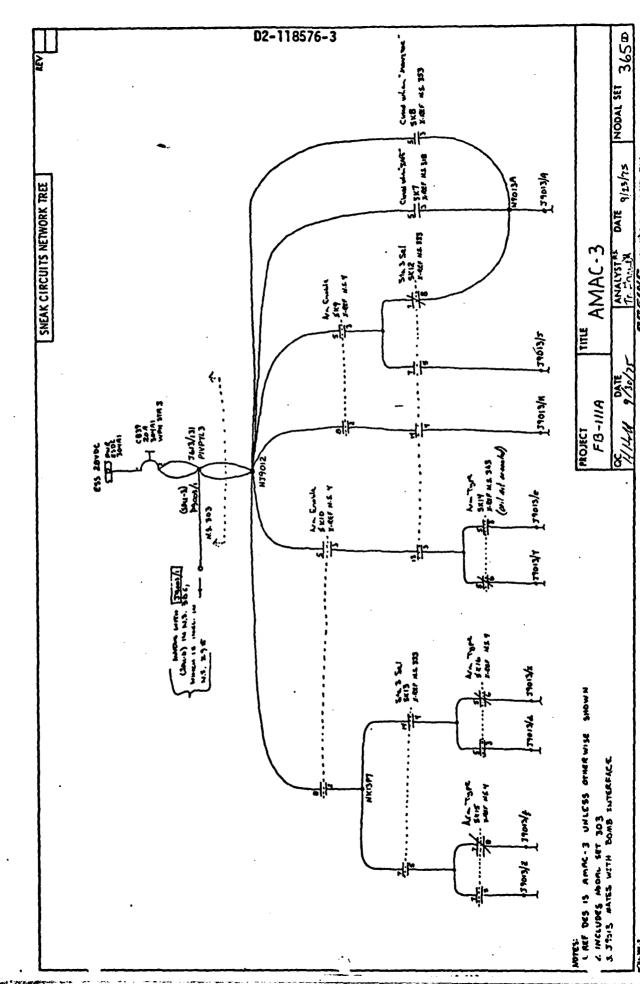


"AMAC-3 SPU STATION Select" DICKE UP KIZ **SWITCHES** WEAPON GND INTO "OPTION SERT" SWY. 15 "ARM" Position "NUCLEAR CONSENT" AND 15 "ARM & RêzeAse" Position.

FBILIA AMAC-3 "STATION 3 SCIENT"

OC DATE ANALYST DATE 4-18-75 NODAL SET 364

HOU-201 REPRESENT LINEARLY CARREST SCHOOL SET 364



THE BUEINE MOUNT CONTENT - MONTON, MASS

SNEAK CIRCUITS NETWORK TREE

REV

(AMAC-4) GND (AMAC-4)

GROUND FROM AMAC TO WEAPON INTERFACE.

PBILLA AMAC - 4 GROUND TO WEAPON

OC DATE ANALYST DATE 9-18-75 NODAL SET

WHAT 9/29/75 S.Br. 9-18-75

DU-705 BIDIFURIUS AND CHARLY - HOIRTON THAT C-213

SNEAK CIRCUITS NETWORK TREE

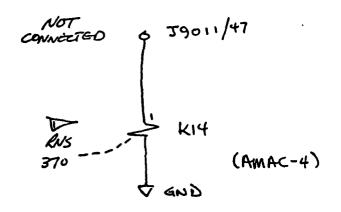
REV

0 59013/F (AMAC-4) JGND (AMAC-4)

AMAC

ROJECT AMAC-4 GROUND TO WEAPON FBIIIA NODAL SET 367 DATE 9/26/75 DATE 9-18-15

REV



D'IMIS COIL IS NOT USED! RET. NODAL SETT
CONTAIN COILS THAT WILL NOT BE SWITCHED.

PROJECT TITLE

UNUSED KI4 - AMAC - 4

QC DATE

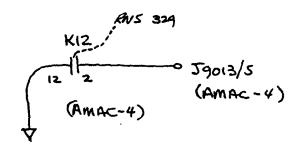
ANALYST DATE

9-18-75 NODAL SET

348

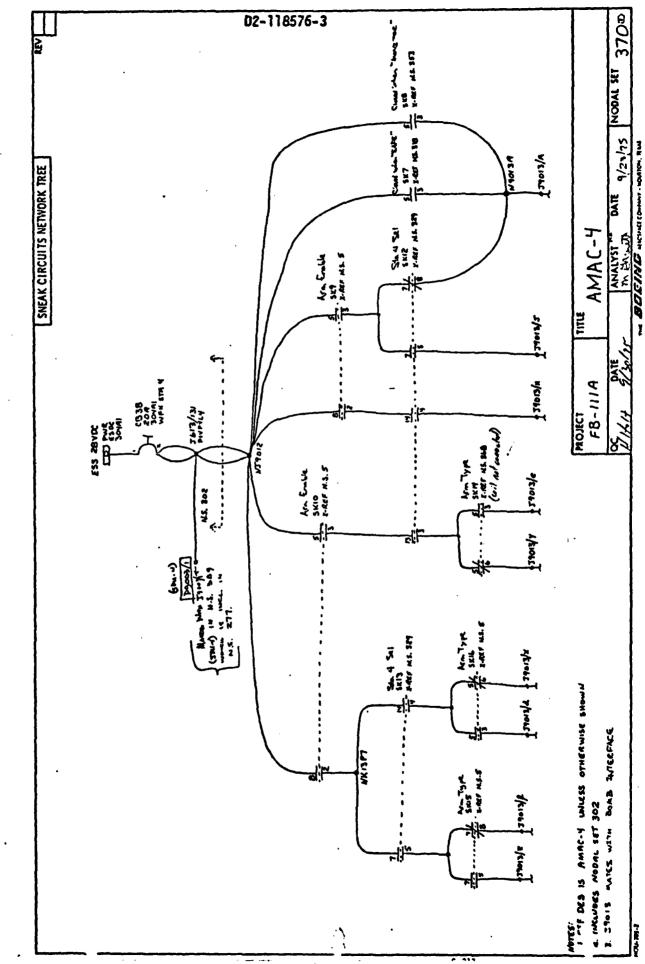
HOU-705

BOEING AEROSPACE COMPANY - HOUSION, TEXAS C-215

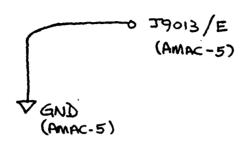


"AMAC-4 SPU STATION SELECT" PICKS UP KIZ WEAPON. ana SWITCHES GND INTO "OPTION SELECT" SWX. IS "ARM" POSITION "NUCLEAR CONSENT" SWK. 15 RELEASE" POSITION.

PROJECT TITLE AMAC-4 "STATION 4 Select" FBIIIA NODAL SET 369 DATE 9/29/ 4-18-75 AFRICISPACE COMPANY . HORRION IFRAS C-216



REV



GROUND AMAC

AMAC-5 GROUND PROJECT FBIIIA TO WEAPON DATE 9/29/75 NODAL SET DATE 371 9-18-75

REV

59013/F (AMAC-5) (AMAC-5)

GROUND FROM AMAC TO WEARON INTERFACE.

PROJECT TITLE

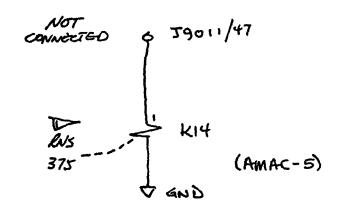
FBITTA AMAC-5 GROUND TO WEAPON

QC DATE ANALYST DATE 9-18-15 NODAL SET 372

APRAISE

..... r a

REV



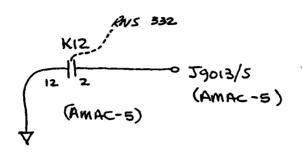
Thus coil is not used: Ref. MODAL SETT CONTAIN COILS THAT WILL NOT BE SWITCHED.

PROJECT TITLE

FBILLA UNUSED KI4 - AMAC - 5

QC DATE ANALYST DATE 9-18-75 NODAL SET 373

OU-705 BOEING AFFOSPACE COMPANY - HOUSTON, TEXAS C-220

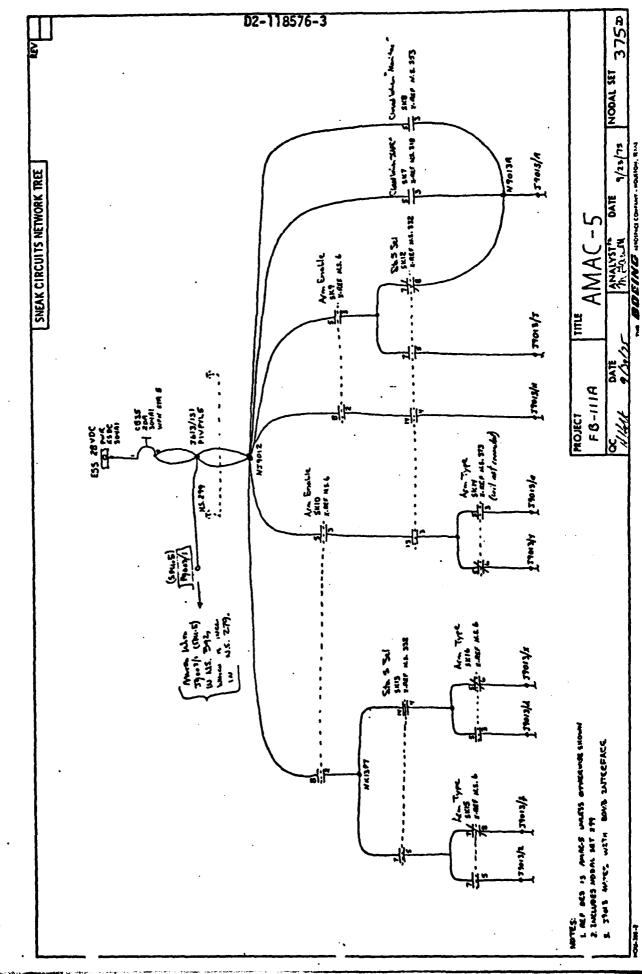


"AMAC-5 SPU STATION SELECT" DICKS UP KIZ
AND SWITCHES GND INTO WEAPON WHEN
"OPTION SELECT" SWX. IS IN AN "ARM" POSITION
AND "NUCLEAR CONSENT" SWX. IS IN "ARM &
RELEASE" POSITION.

PBILIA AMAC-5 "STATION 5 SELECT"

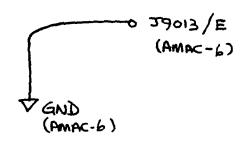
QC DATE ANALYST DATE 4-18-75 NODAL SET 374

HOU-705 PREFETENCE WAS COMMENTED TO CO. 221



SNEAK CIRCUITS NETWORK TREE

REV



GROUND FROM AMAC to WEADON INTERFACE.

FBITA AMAC-6 GROUND TO WEAPON

OC. DATE ANALYST DATE 9-18-75 NODAL SET 376

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-223

REV

59013/F (AMAC-6)

(AMAC-6)

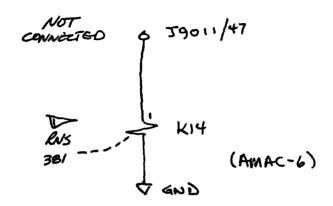
GROUND FROM AMAC TO WEARON INTERFACE.

ROJECT TITLE
AMAC-6 GROUND TO WEAPON

QC DATE ANALYST DATE 9-18-75 NODAL SET 377

BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-224

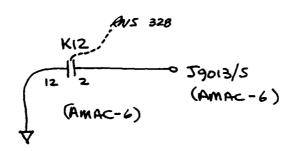
REV



THIS COIL IS NOT USED! RET. NODAL SETS
CONTAIN COILS THAT WILL NOT BE SWITCHED

ROJECT FE	SILIA	TITLE UNUSED	K14	- 4	AMAC - 6		
95 H. Holt	DATE 9/29/75	ANAL	YST Sn_	DATE	9-18-75	NODAL SET	378
MOLL-205		MARKAN.	~			005	

AEROSPACE COMPANY - HOUSTON, TEXAS C=225



"AMAC-6 SAU STATION SELECT" DICKS UP KIZ AND SWITCHES GND INTO WEAPON WHEN "OPTION SELECT" SWX IS IN AN "ARM" POSITION AND "NUCLEAR CONSENT" JUX. IS IN "ARM & RELEASE" POSITION.

ROJECT TITLE AMAC-6 "STATION 6 SELECT" FBIIIA NODAL SET DATE DATE 379 4-18-75

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-226

See Nodal Set 318

JJECT TITLE FBIII-A

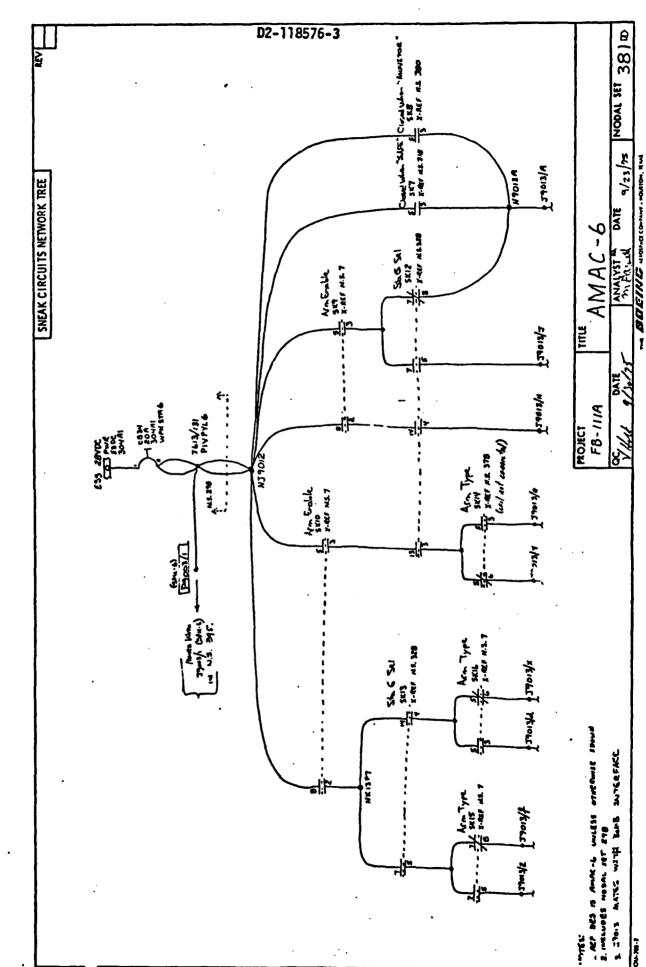
DATE

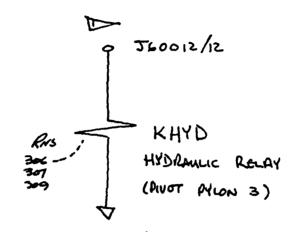
ANALYST

NODAL SET

380

œ

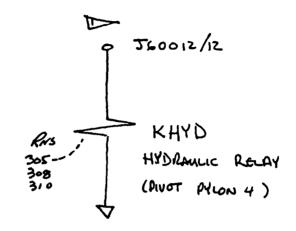




CPDU: "HYDRANLIC POWER ON CIND". OUT OF SCOPE.

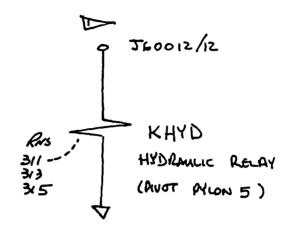
ROJ	FBILLA	TITLE HYDRAULIC ROLA	24 - Pluot Pylon	s 3
QC #. //	DATE 9/29/75	ANALYST	DATE 9-18-75 N	ODAL SET 382

SNEAK CIRCUITS NETWORK TREE



CPDU: "HYDRAULIC POWER ON CMD". OUT OF SCOPE.

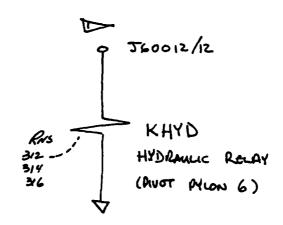
ROJECT FE	BILLA	HYDRAULIC ROLLY - PLUOT PYLON 4	
QC UHOIT	DATE 7/29/75	ANALYST DATE 9-18-75 NODAL SET	383
HOU-205		BIDE NE ALBONDACE COMPANY - MOUNTAIN THAT C-230	



D Command FOR THIS COIL ORIGINATES IN SRAM, IN CPDU: "HYDRANCIC POWER ON COMD". OUT OF SCOPE.

ROJECT	BIIIA	TITLE HYDRANLIC A	Car - Aug	or Pylic	,n 5		
QC ////	DATE 9/29/75	ANALYST	//	18-75	NODAL SE	T 384	
MCM1-205	•	BREINE		•	221		

REV



Command FOR THIS COIL ORIGINATES IN SRAM, IN CPDU: "HYDRANLIC POWER ON COMO". OUT OF SCOPE.

ROJECT Hydranuc Rear - Pluot Pylon 6 FBIIIA NODAL SET DATE DATE 385 9/29/75

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-232

See NS 295

ROJECT	TITLE					
1 FB-111A	PYLON	JET	8 dz	CARTRIDGE	BREECH	SQUIBS
QC DAT		ANALY 12 Eq	ST	DATE 9/16/75	NODAL S	ET 3%

DEINE AEROSPACE COMPANY - HOUSTON, TEXAS C-233

SNEAK CIRCUITS NETWORK TREE

REV

See NS 294

PROJECT TITLE

FB-111A ARMING SOLENOIDE & SQUIRE

QC DATE ANALYST DATE 9/17/75 NODAL SET 387

HOU-205 BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-234

REV

open, no connection

SPU-3 } NC contacts are open and have sk9

3 no x reference been deleted here
160,182,205.227

MAU-12-3

TAIL ARMING SOLENOID

NO X REFERENCE

ط...*.*

Typical for MAU-12-4,5+6 tail Arming Solonoid connected to SPU-4,5 and 6 SK9 respectively

* INCLUDES NODAL SETS 391,394, 397

FB-111 A Tail Arming Solenoid — No Connection

OC, John Date Manalyst Date 9/16/75 NODAL SET 388 *

OU-205 BOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-235

SNEAK CIRCUITS NETWORK TREE

REV

See NS 277

	· · · · · · · · · · · · · · · · · · ·	mounes	DATE 9/16/75	389
QC DA				NODAL SET
FB-IIIA	PYLON	JET & CZ	CARTRIDGE	BREECH SQUIBS
PROJECT	TITLE			
` <u> </u>				

HOU-205

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-236

See NS 276

PROJECT		TITLE					
FB- III	4	ARMINE	; SOLEN	24I01	& SQUI	BS	
QC	DATE	Ŷ	NALYST he results	DATE	9/17/75	NODAL SET	390
MO11 204							

AEROSPACE COMPANY - HOUSTON, TEXAS C-237

SNEAK CIRCUITS NETWORK TREE

See NS 388

PROJECT TITLE Arming Salenoid - No Connection FB-IIIA Tail NODAL SET 391 DATE 9/16/75 ANALYST M. Maruett DATE

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-238 HQU-205

See NS 279

ROJECT		TITLE		· · · · · ·				
LFB-	-111A	PYLON	JET	2	CZ	CARTRIDGE	BREECH	ZQUIZS
QC	DATE		ANAL	YST YOU	للد	DATE 9/16/75	NODAL	SET 392

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C=239

See NS 278

PROJECT		TITLE					······································
FBILLA		ARMING	ZOLENOI	०८ ह	Zau	エヌご	
QC	DATE	ANA M &	arbata dat	E 9/17/7:	s NO	DAL SET	393

HOU-205 BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-240

See NS 388

ROJECT	TITLE	·	
/FB-IIIA	Tail Arming 5		
QC DA	TE ANALYST IN DONN	DATE 9/16/75	NODAL SET 394

DEING AEROSPACE COMPANY - HOUSTON, TEXAS C-241

REV

See Nodal Set 3210

ANALYST	DATE	NODAL SET
	TITLE	

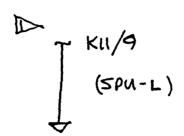
HOU-205 BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-243

SNEAK CIRCUITS NETWORK TREE

See N\$ 388

FB-1	II A	Tail	Arming	Solenord — No	Connection	
QC	DATE		ANALYST My Yarus	大 DATE 9/16/75	NODAL SET	397
MO11-204		A	THAIR.		A 444	

REV

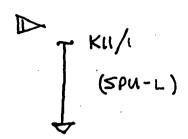


MINOT USED: EMPTY SOCIET WITH HARDWIRED GROUND.

PBILLA	TITLE UNUSED RELAY	GROUND (CONNECTION	
95 Hold 9/29/95	ANALYST	DATE 9-18-73	NODAL SET	398

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-245

REV



MINOT USED: EMPTY SOCIET WITH HARDWIRED GROUND.

ROJECT TITLE UNUSED RELAY GROUND CONNECTION

OC H. 16/4 9/29/75 ANALYST DATE 9-18-75 NODAL SET 399

~ ^4^

open—sram Disc · 289' T315/1 (1343) K17, no remarks x reference NS 325

FB-11		TILE K17。	SPU-L	; No	CON	NECTI	0N
9/ HAA	DATE 9/30/7	5	analyst m Marnett	DATE	9/22/75	NODAL SET	400
HOU-205			EING AEROSPACE		HISTON TEVAS C	247	

REV

OPEN

SRAM INTERFACE

39001/4 SPU-L

k8, SET no x reference, no title

LOJECT

FB-111A

TITLE

K8, Set coil, SPU-L

DATE

ANALYST The Market

NODAL SET 401

(SPU-R)

DKII NOT USED: EMPTY SOCILET HARDWIRED GROUND.

ROJECT TITLE UNUSED RELAY GROUND CONNECTION FBILLA NODAL SET DATE DATE 9/30 402

EROSPACE COMPANY - HOUSTON, TEXAS C-249

T K11/1 (SPU-R)

KII NOT USED: EMPTY SOCILET . WITH HARDWIRED GROUND.

ROJECT FBILLA	TITLE	RELAY	GROUND	CONNECTION	
	0/25 AN	IALYST	DATE 9-18-	75 NODAL SET	403
HOU-205	BUEL	RIE AEROSPACI	COMPANY - HOUSTON, T		

BUEINE AFROSPACE COMPANY - HOUSTON, TEXAS C-250

REV

SPU-R

SPU-R

K17, no remarks

x reference NS 319

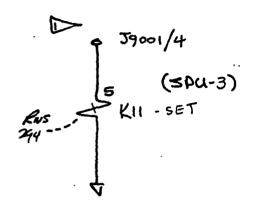
<u> </u>	1					
∠ROJECT	TITLE					
JFB-IIIA	1/2	SPU-R	· NO (CONK	JECTION	
					NODAL SET	
A. Holt 9/3		ANALYST M. Harnett	DATE 9/22	1/75	404	
	0/13)e1	
HOU-205	<i>5</i> 4	IEING AEROSPACE	COMPANY - HOUSTON	n, rexas C=6	201	

open, sram interface | 39001/4 | 39U-R > 5pu-R k8, sux no x reference, no little

L-								
. JOJECT		TITLE						
FB-11	IA	K8,	set coi		SPU-R			
9/1/14	DATE 9/30/15	,	ANALYST Vn Harwood	DATE	9/22/75	NODAL SET	405	
HOU-205			EINE MICHAE					

. SNEAK CIRCUITS NETWORK TREE

REV



1 To STATION 23 SPAM DISCOUNSET - NOT IN SCOPE.

FIBILIA KII— SPU-3, SRAM CONTROLLES.

QC, 16/4 9/30/25 ANALYST DATE 9-19-75 NODAL SET 406

OU-705 BDEIFIE AEROSPACE COMPANY - HOUSTON, TEXAS C-253

SEG N.S. 294

TITLE DJECT FBIIIA NODAL SET DATE ANALYST 407 DATE QC 9-19-75

SNEAK CIRCUITS NETWORK TREE Jee NS 150 PROJECT TITLE FB-111A = SPU-3 OUTPUT PYL JTSN DATE 9/19/75 ANALYST In Bacuth NODAL SET oc DATE 408 SNEAK CIRCUITS NETWORK TREE See NS 153 PROJECT TITLE - SPU-3 FB-IIIA OUTPUT PYLON ITSN -DATE ANALYST NODAL SET DATE 9/19/75 409 m Educate MCN1-205 THE BUEING HER STRACE COMPLEX - IN SECTION, TEVALS C-255

REV

Tee NS 160

FB-	MA	TITLE	OPTIC	DN 2		\$PU-3	
QC	DATE	ana	LYST Yarvetts	DATE 9	/22/75	NODAL	SET 410
WALL THE							

OU-205

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-256

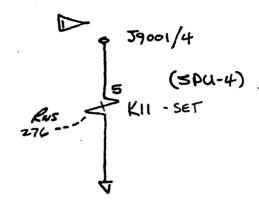
See NS 295

ROJECT	PYLON JET & CZ CARTRIDGE BREECH SQUIBS
	ANALYST DATE 9/16/75 NODAL SET 411
QC DATE	M MOVING AEROSPACE COMPANY - HOUSTON, TEXAS C-257

TOEING AEROSPACE COMPANY - HOUSTON, TEXAS C-257

. SNEAK CIRCUITS NETWORK TREE

RE\



D. TO STATION 23 SRAM DISCONNET - NOT IN SCOPE.

FIGURA KII—SPU-4, SRAM CONTROLLES.

QC DATE ANALYST DATE 9-19-75 NODAL SET 412

BIDETRIE AFROSPACE COMPANY - HOIRTON TEXAS C-258

SNEAK CIRCUITS NETWORK TREE

Jée N.S. 276

DJECT TITLE FRILIA DATE 9-19-75 NODAL SET DATE œ 413

HO11-205

See Nodal Set 172

PROJECT TITLE FB111-A NOBAL SET 414 ANALYST DATE

SNEAK CIRCUITS NETWORK TRUE

See Nodal Set. 175

PROJECT TILLE FB111-A QC DATE . ANALYST DATE NODAL SET 415

THE BUELLE APPLIACE CONFIDENCE IN ISSENTERAS

REV

See NZ 182

ROJECT		TITLE	
1/FB-	AUL	OUTPUT OPTION 2 - SPU-	4
QC	DATE	ANALYST DATE 9/22/75 NODAL SET	416
HOU 200		m cants	711

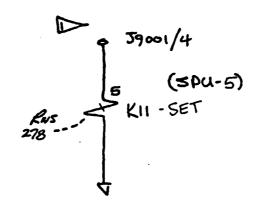
OU-209 BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-261

See NS 277

ROJECT		TITLE				22700	>DECC H	SOUTES
, FB-1	IIA	PYLON	JET	4 CZ	- CAR	LKIDGE	INCOAL S	ZAINOS
QC	DATE		ANAL	YST Muth	DAIL	9/16/75	NODAL SI	417
		BO	FIN	AEROSPAC	E COMPANY	HOUSTON, TEXAS	C-262	

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-262

. SNEAK CIRCUITS NETWORK TREE



1 To STATION 23 SRAM DISCONNET - NOT

KII-SPU-5, SRAM CONTROLLES. OJECT FBIIIA NODAL SET 418 9-19-75

SNEAK CIRCUITS NETWORK TREE

SEE N.S. 278

DJECT		TITLE					•
ı Pi	BILLA		•	•			
QC	DATE		ANALYST	DATE	9-19-75	NODAL SET	419
						0.000	

SNEAK CIRCUITS NETWORK TREE

REV

See NS 195

OC DATE ANALYST DATE 9-19-75 NODAL SET 420

SNEAK CIRCUITS NETWORK TREE

RE\

SEE N.S. 198

OC DATE ANALYST DATE 9-19-75 NODAL SET 421

RE

Jee NS 205

POJECT	• • • •	TITLE
IFB-	IIIA	OUTPUT OPTION Z SPU-S
QC	DATE	M Donate DATE 9/22/75 NODAL SET 422
HOU-205		BOEINE MANAGEMENT C 267

See NS 279

ROJECT		TITLE			-				
FB-111	Α	PYLON	3€ T	8	ćz	CART	RIDGE	BREECH	ZQUIBS
QC D	ATE		ANA	JLYS	iT weth	DATE	9/16/75	NODAL	SET 423

HOU-205

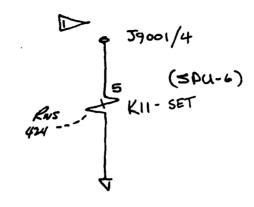
BUEING AFROSPACE COMPANY - HOUSTON, TEXAS C-268

See NS 3210

PROJECT FB-111A	TITLE ARMING COLENOIDS & SQUIBS
QC DATE	ANALYST DATE 9/17/75 NODAL SET 424

DEING AEROSPACE COMPANY - HOUSTON, TEXAS C-269 HOU-205

REV



1 To STATION 23 SRAM DISCONNET - NOT IN SCOPE.

FIBILIA KII - SPU-6, SRAM CONTROLLES.

DATE ANALYST DATE 9-19-75 NODAL SET 425

DUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-270

SNEAK CIRCUITS NETWORK TREE

REV

See N.S. 321 D

DJECT

TITLE

FBILLA

QC DATE

ANALY

DATE

9-19-75

NODAL SET

426

SNEAK CIRCUITS NETWORK TREE

See N.S. 217

*POJECT TITLE FBILIA DATE 9-19-75 DATE NODAL SET 427

REV

SEE N.S. Z20

PROJECT TITLE

PROJECT TITLE

QC DATE ANALYST DATE 4-19-75 NODAL SET 428

See NS 227

ROJECT		TITLE
FB-	AIII	OUTPUT OPTION 2 \$PU-6
QC	DATE	ANALYST DATE 9/22/75 NODAL SET 429
HOU-205		PREING

!		SNEA	K CIRCUITS N	ETWORK TR	EE		REV
		SEE	NODAL	SET	395		
-	PROJECT FB-111A	TITLE					
-	OC DATE	1	ANALYST	DATE		NODAL SET	***
					·	<u> </u>	430
١.				574004 70	cc T		PFV
1	,	SNEA	K CIRCUITS N	ETWORK TR	EE		REV
		SEE					REV
	ROJECT		Nodal				REV
	POJECT FB-111A GC DATE	SEE	Nodal			NODAL SET	431

	SNEAK CIRCUITS NETWORK TREE	REV
	•	.
	5eens. 67	
PROJECT	TITLE	
FBIIIA		
QC DATE	ANALYST DATE 9-19.75 NODAL SET	432
	SNEAK CIRCUITS NETWORK TREE	REV
·		•
	See N.S. 64	
	·	
PROJECT FBILLA	TITLE	
QC DATE	ANALYST DATE 1-19-75 NODAL SET	433

	SNEAK CIRCUITS NETWORK TREE	REV
		<u> </u>
•	SIC SW GND TO BYPASS RESISTORS 403 A1 RNS 27—735	
	40 \$AI ,	
	TO CAUTION \$ WHENING CKT	
	PROJECT TITLE	
	FB-111A BRIGHT/DIM CKT	
(OC HIGH DATE ANALYST DATE 9-19-75 NODAL SET	434
	1. Desired	REV
•	SNEAK CIRCUITS NETWORK TREE	*E*
		-
	~	
	<rp><rp< th=""><th></th></rp<></rp>	
	SID TEST	
	. Yosai	
	ans 27→35	
	↓	
	32/49	•
	WARNING CET	
٠.		
لري	PROJECT TITLE	
	FB-111A TEST	
	OC DATE ANALYST DATE 9-19-75 NODAL SET	435
	THE BUEING ARTHUR CONT 1111, THE C-277	

See Nodal Set 36

ROJECT

TITLE

FB111-A

QC DATE ANALYST

DATE

NODAL SET 436

HOU-205

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-278

REV

J2/K 404AI

PROJECT

FB-111A

GROUND

QC | Helt DATE | ANALYST DATE | O-22-75 | NODAL SET 437

HOU-705

THE BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-279

		SNEAK CIRCUITS NETWORK TREE		REV
		SEE NODAL SET 317		
	PROJECT FB-111A	TITLE NUCLEAR UNLOCK		
<u>, </u>	QC DATE	ANALYSTO DATE 9-19-75	NODAL SET	438
_		SNEAK CIRCUITS NETWORK TREE		REV
		51001/3 CPU GRD/2404 CPU		
(·	PROJECT FB-III A	TITLE GROUND		
	9/14/ DATE 9/30/75		NODAL SET	439
	4 27 13	THE BUEING HET PACT COME TOTAL THAT	-280	·····

02-118576-3

SNEAK CIRCUITS NETWORK TREE

31001/4 CPU GRD /2407

TITLE PROJECT GROUND FB-IIIA DATE 9/30/1 NODAL SET DATE

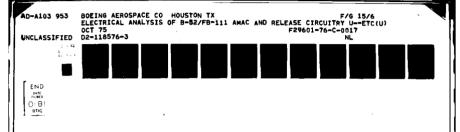
SNEAK CIRCUITS NETWORK TREE

REY

NODAL SETS 441 - 459 ARE GROUND WIRES ONLY AND WERE BID IN ERROR.

ROJECT FB	-111A	TITLE	WIRES	
QC	DATE	A STEP	DATE 9-19-75	NODAL SET 441 → 459
				0.000

1-705 THE BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-282



AD-A103 953

D2-118576-3 SNEAK CIRCUITS NETWORK TREE Ref. Des. J6022 FIXPYL8 , OFFIN \'308' VGRD/2555 FIXPYLB, OPEN 1:308' VGRD/2556 76022 FIXPYL7, OPEN 1308' VGRD/2559 XPYLY , OPEN | `308' | GRD/2559 X REFERENCES ROJECT TITLE GRDS TO FIXPYL 7 & 8

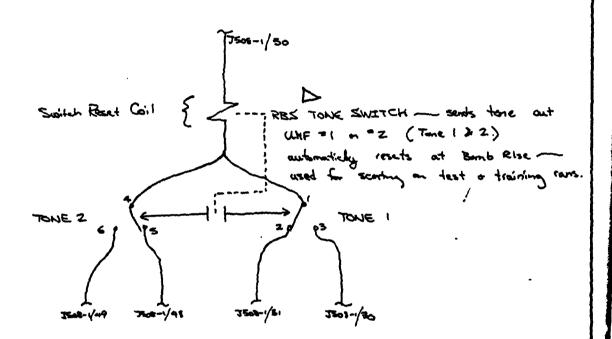
A Hold 9/30/25

ANALYST M. Crutt

1TE 9/22/75

NODAL SET 468

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-284



All ref des: 403 Al

No Cross References

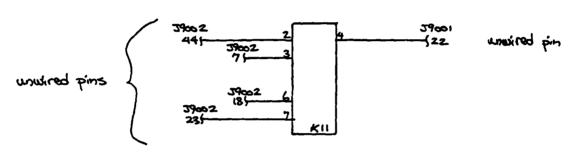
Not used in Aludear Gravity Bome circuitry

<u></u>								
ROJECT	1	ITLE						
[FB-1114	1	RBS	TON	E	SWITC	H		
of Hold	DATE 9/30/75		ALYST Y Ormth	DATE	9/25/75	NODAL	SET unuseo	PATA
HOU-205					HOUSTON, TEXAS C	-285		

D2-118576-3

SNEAK CIRCUITS NETWORK TREE

REV



KII exists as a wired socket with no relay installed.

This circuit is identical for SPU-L and SPU-R

FB-111A SPU-L & SPU-R KII Contacts

OC DATE ANALYST DATE 9/25/75 NODAL SET UNUSED DATA

BUEING AEROSPACE COMPANY - HOUSTON, TEXAS C-28

SNEAK CIRCUITS NETWORK TREE J9003/2 CSPN-R) GZOY SK 8 GET SK 8 SK 8 SK 8 J9003/2 CSPN-L) J9003/2 CSPN-L) J9003/2 J9		D2-118576-3	
PROJECT SNEAK CIRCUITS NETWORK TREE SPULL SNEAK CIRCUITS NETWORK TREE S		SNEAK CIRCUITS NETWORK TREE	REV
SKO TOTO POLYSZ PROJECT SNEAK CIRCUITS NETWORK TREE SKB GT SKB SKB SKB SKB SKB SKB SKB SK	James A. Pelks	P34 1 6208 PCIAS PCI/59 5 19001/3	7
PROJECT SPANN SPANN Wiring - not unased Pata PROJECT SPANN SPANN Wiring - not unased Pata PROJECT SPANN		3817	
PROJECT FBIII -A SPU-R Unwied Pata OC HHAT DATE SNEAK CIRCUITS NETWORK TREE SNEAK CIRCUITS SER SKB GEN-E) GEN-E GRAM Wiring - not analyzed PROJECT FBIII-A SPU-R Unused Pata NODAL SET Unused Pata PROJECT SNEAK CIRCUITS NETWORK TREE SKB GEN-E) GEN-E Jacob GEN-E SRAM SRAM Wiring - not analyzed PROJECT FBIII-A SPU-R Unused Pata		7 67	
PROJECT PRO			
PROJECT PRO		T9002/33	
PROJECT FBIII - A SPU-R Unwied Pata OC H Had Date 10/2/75 ANALYST DATE 1. Yerges 4-26-77 Unwied Par SNEAK CIRCUITS NETWORK TREE REV 19003/2 CSPA-R) GOOD SK 8 FM-R) GOOD		•	
SPU-R Unused Pata OC HHAT DATE 10/2/75 ANALYST DATE 10/2/75 SNEAK CIRCUITS NETWORK TREE REV SNEAK CIRCUITS NETWORK TREE 19003/2 CSPM-R) G204 SKB FM-R) SKB GIRN-L) G204 CSPM-R) SRAM Wiring - not unalyzed PROJECT FBIII-A SPU-R Unused Pata	Refore is Spu-R	No connecting wiring to these wire	es
SPU-R Unused Pata OC HHAT DATE 10/2/75 ANALYST DATE 10/2/75 SNEAK CIRCUITS NETWORK TREE REV SNEAK CIRCUITS NETWORK TREE 19003/2 CSPM-R) G204 SKB FM-R) SKB GIRN-L) G204 CSPM-R) SRAM Wiring - not unalyzed PROJECT FBIII-A SPU-R Unused Pata	PROJECT .	ritle ·	
SNEAK CIRCUITS NETWORK TREE SNEAK CIRCUITS NETWORK TREE J9003/2 CSPA-R) G204 SK 8 GEN-R) J9003/2 CSPA-L) J9003/2 CSPA-L) J9003/2 CSPA-L) J9003/2 CSPA-L) SK 8 GAM-L) J9002/4 (SPA-L) SPA-N Wiring - not analyzed PROJECT FB 111-A SPU-R Unased Pata	1	SPU-R Unused Pata	
SNEAK CIRCUITS NETWORK TREE J9003/2 CSPN-R) GZOY SK 8 GET SK 8 SK 8 SK 8 J9003/2 CSPN-L) J9003/2 CSPN-L) J9003/2 J9	OC H Hout DATE 10/2		DAL SET Vansed Pata
CSPN-R) GZOY SK 8 GEN-L) GZOY SK 8 GEN-L) GZOY SK 8 GEN-L) JEODZIN (SPN-L) JEODZIN (SPN-L) PROJECT TITLE SPN-R Unased Pata) 		
CSPN-R) GZOY SK 8 GEN-L) GZOY SK 8 GEN-L) GZOY SK 8 GEN-L) JEODZIN (SPN-L) JEODZIN (SPN-L) PROJECT TITLE SPN-R Unased Pata		J90036 J90036	
SAAM WIVING - not analyzed PROJECT TITLE FBIII-A SK8 SK8 SK8 SK8 (SPU-L) THE SPU-R Unased Pata)
SAAM Wiring - not analyzed PROJECT TITLE FBIII-A SPU-R Unased Pata		T SK8	
SAAM WIVING - not analyzed PROJECT TITLE FB111-A 5 PU-R Unased Pata		(SP4-L)	
PROJECT TITLE SPU-R Unased Pata	·	(5PU-R) (5PU-	
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	OC DATE DATE		NAL SET

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REV SNEAK CIRCUITS NETWORK TREE J4002/51 19002/51 (SP4-E) SKIZ 5K12 (SPu·R) (SP4.L) 6-204 9 PL 1/20 Pc1/20 FOITL PL1/21 19001/21 19001/21 (SPU-L) (SPA-R) No connecting wiring to these wires PROJECT TITLE Unused Data FBIII-A DATE DATE ANALYST NODAL SET 10/2/75 1. Vergec unused Data 9-26-75 SNEAK CIRCUITS NETWORK TREE 19001/30 1900/10 (spu-2) CSPU-W PU/19 PC1/19 PUL/18 Pulis 0-204 SK 94 : SK9A : 19001/38 J9001/38 (SPU-L) SPU-RI No connecting wiring to these wires PROJECT TITLE Unusel Data FB III.A DATE DATE NODAL SET Unused Data 19-26-75

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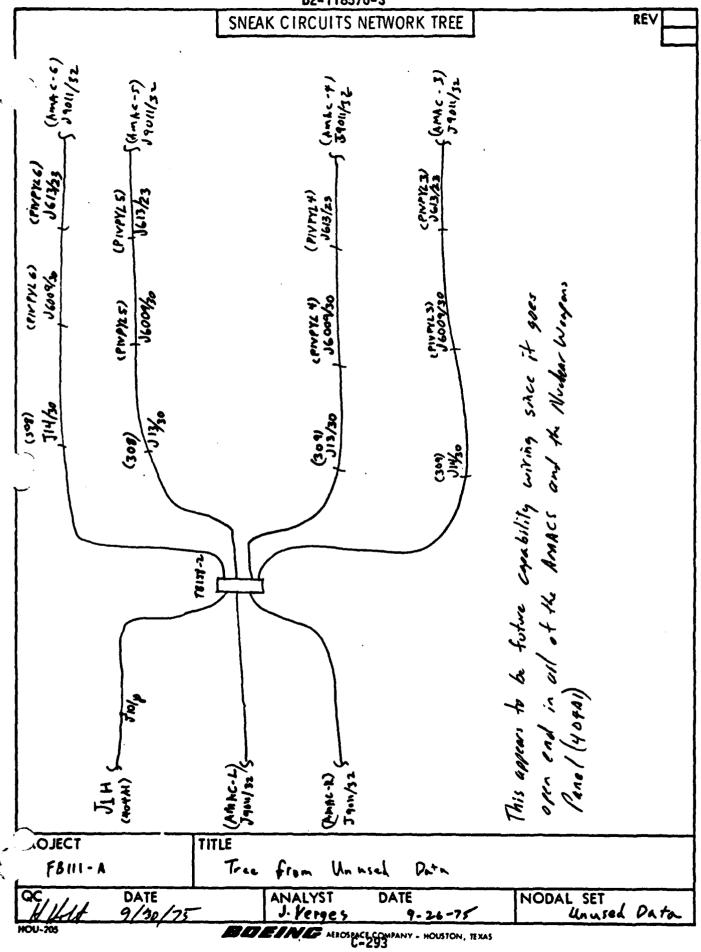
D2-118576-3 SNEAK CIRCUITS NETWORK TREE 1900 2/26 19002/26 (SPU-L) CSPU-R) PCI/41 PC1/41 (SPu-L) (SPa.L) No connecting wiring to these wire segments PROJECT TITLE FB III. A un used Data DATE NODAL SET DATE ANALYST If Host 9-29-75 Unase d SNEAK CIRCUITS NETWORK TREE 1900/30 1904/30 19001/30 1901/30 y(spus) (SPU-6) Pells PL1/3 P43 PC1/3 PC1/15 PULIS PL1/15 PCI /15 SKIZA 624 SKIZA SKIZA SPA-Y (SA-6) SKIZA Tens 544-3 164-2 J 9001/38 JA 001/38 1400//30 J4001/28 (5 Pu-4) (SPW-5) (STW4) 514-3 Unused switch contacts PROJECT TITLE FBIII-A Unused Data DATE DATE ANALYST NODAL SET J. Verges Unused Pata 9-29-75

D2-118576-3 REV SNEAK CIRCUITS NETWORK TREE J9001/22 J 9001/22 (SPM-L) $(SPU \cdot R)$ SKII SKII 1902/25 Not installed (SPU-R) (SPN-L) No connecting wiring to these wives PROJECT TITLE FB111-A Data Unused QC DATE ANALYST DATE NODAL SET J. Verges 9-29-75 Unused Data SNEAK CIRCUITS NETWORK TREE 19602/50 19002/50 (M·R) (SPu-L) SKB SKI3 TGOOT PU/32 Partz R167 Pubs J 9001/24 J9001/24 CSPU-L) (SPU-R) No connecting wiring to Mase wires PROJECT TITLE FBIII-A Unused Data DATE DATE NODAL SET 9-29-75 MARKE Ata

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	SNEAK CIRCUITS	NETWORK TREE	REV
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J9002/50 (SP4-3) 3 M2 (SP4-3) J900/24 (SP4-3)	J9002/50 SPU-9[3ML] 6MI 6205[PC1/37 PC1/24 J9001/24 (SPU-4)	19002/50 (SP4-5) T SK/L T 6 205T SK/L T PC1/24 J4001/24 (SP0-5)	J9002/50 (SPA-6) 3412 SK/6 T G20F SK/6 T PC1/24 J9001/24
No Connect	ting wiring to 1	Rese wires	(sni-4)
PROJECT	TITLE		
FB111-A	Unusel	Puta	
QC DATE H HOH 10/2	175 ANALYST J. Verus	DATE 9-29-11	- NODAL SET - Une sed Date
			REV
·	SNEAK CIRCUITS	NEIWURK IKEE	
J9002/26 (SPU-3) 7 PC1/27 (SPU-3)	J9002/26 (SPN-4) PCV/27 (SPN-4)	J9002/26 PU-5) PU/27 (SPU-5)	J9002/26 (SPM-6) 7 PCI/27 (SPM-6)
No connect PROJECT FB111-A	ting wiring to 1	Kese wires	
	<u> </u>		INCOM SET
GC/1/44 DATE 10/0/	J. Vergas	DATE 4-29-15	NODAL SET

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	SNEAK CIRCUITS		REV
	J9001 /12 CSPU G265 SK5 [33 (SM.R) [33 J4002/10 (SPU-R	SKS 6205 ISPU-L) 73 J9002/10	
PROJECT FIGURE PROJECT FIGURE DATE 10/2/	TITLE Unused D ANALYST J. Verges		NODAL SET Unused
	SNEAK CIRCUITS		REV
) 4002 (SPU-L SK7) 3 05 1//4	J9002/40 (SPMR) SR7 [A1-R) PC1/16 4PC1/17 J9001/4 (SPM-R)	
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PROJECT FBIIL-A GC DATE	title Unused	to these wires Data	



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D2-118576-3 REV SNEAK CIRCUITS NETWORK TREE 6PWFIL 3) P25031/2 (SPU-3) SKII (PWPLY3) J613/116 (PIYPYL 3) (4.504) OCHS SRAM 19003/2 POWER J60011/8 S U1002/4 (5P4-3) 6900/6-33 HEZMY SKIL SPURFILS) SRAM WIRING P25021/4 SRAM WIRING -NOT ANALYZED PROJECT TITLE SRAM Wiring FB111-A ANALYST DATE DATE NODAL SET 1 Vemes H 1418 9/30/75 Unnsed Pata 9-26-75 REV SNEAK CIRCUITS NETWORK TREE PROJECT TI FB 111-A GC DATE ANALYST DATE NODAL SET 9-26-75 Unused lata J. Vergus